

PULLOUT
CALENDAR
INSIDE!

BIGGEST BUD EVER!

HIGH TIMES

HIGH TIMES

DECEMBER 1988

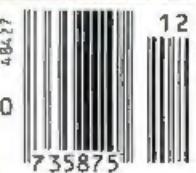
CHEF RA'S
Guide to
Jamaica

POLYMERS:
50% LESS WATERING

THE GREAT
DRUG WAR

by Arnold Trebach

READER'S
HARVEST
REPORT



12

48427

0

735875

Indoor Sun

We're celebrating our 10th Anniversary
with a 5% discount on all items.
Plus a 5 year warranty on all
lighting systems.

ENERGY EFFICIENT GROW LIGHTS

METAL HALIDE—(balanced growing spectrum)

All systems include assembled ballast, bulb, reflector, 15' lamp cord & 8' power cord.	
★ 1000 watt DELUXE—Your choice of one of four great reflectors:	
46" Polished aluminum super reflective hood (white available on request). □ Our new 20" low profile (only 7" high) horizontal reflector with a space-age polished aluminum reflective panel (puts out 45% more light than conventional reflectors). □ 48" parabolic, high output reflective hood. □ 20" adjustable white enamel reflector.	
Each deluxe unit comes with a super quiet ventilated ballast box with a high quality 6-outlet power supply with a lighted on/off switch and a 15 amp circuit breaker. System includes a 110,000 lumen-12,000 hr. bulb	\$184.50
To upgrade to our 125,000 lumen-12,000 hr. Horticultural Superbulb	Add \$15.00
★ 1000 watt STANDARD—18" high temp. white enamel reflector. Ventilated ballast box. System includes a 110,000 lumen-12,000 hr. bulb	\$167.50
To upgrade to our 125,000 lumen-12,000 hr. Horticultural Superbulb	Add \$15.00
★ 1000 watt ECONOMY—2x3' polished aluminum reflective hood (not shown). Assembled open ballast. System includes a 110,000 lumen-12,000 hr. bulb	\$144.50
To upgrade to our 125,000 lumen-12,000 hr. Horticultural Superbulb	Add \$15.00
★ 400 watt DELUXE—14" high temp. white enamel reflector. Ventilated ballast box with a high quality 8-outlet power supply with a lighted on/off switch and a 15 amp circuit breaker. System includes a 34,000 lumen-20,000 hr. bulb	\$134.50
To upgrade to our 40,000 lumen-20,000 hr. Horticultural Superbulb	Add \$10.00
★ 400 watt STANDARD—14" high temp. white enamel reflector. Ventilated ballast box. System includes a 34,000 lumen-20,000 hr. bulb	\$124.50
To upgrade to our 40,000 lumen-20,000 hr. Horticultural Superbulb	Add \$10.00
★ 400 watt ECONOMY—2x3' polished aluminum reflective hood (not shown). Assembled open ballast. System includes a 34,000 lumen-20,000 hr. bulb	\$109.50
To upgrade to our 40,000 lumen-20,000 hr. Horticultural Superbulb	Add \$10.00
★ 175 watt MINI-MIGHT METAL HALIDE—15" reflector with self-contained ballast. 15,000 lumen-20,000 hr. bulb (only 18¢/day to operate)	\$99.00

HIGH PRESSURE SODIUM—(red orange spectrum)

Completely assembled. All systems include a covered ventilated ballast, bulb, reflector, 15' lamp cord and 8' power cord.

★ 1000 watt DELUXE—Your choice of one of four great reflectors (5 KV pulse rated socket included): □ —46" Polished aluminum super reflective hood (white available on request). —Our new 20" low profile (only 7" high) horizontal reflector with a space-age polished aluminum reflective panel (puts out 45% more light than conventional reflectors). □ —48" parabolic, high output reflective hood. □ 20" adjustable white enamel reflector. □ System includes a 140,000 lumen-24,000 hr. Sodium bulb	\$269.50
★ 400 watt DELUXE—14" high temp. white enamel reflector. Includes 50,000 lumen-24,000 hr. Sodium bulb	\$189.50
★ MINI-MIGHT GROW LIGHT—Our compact powerful (16,000 lumens) grow light employs a highly efficient High Pressure Sodium lamp (3 year bulb life) and a self-contained Transformer-Ignitor. Costs only 15¢ a day (18 hours on) or about \$4.50/month to operate. 15" reflector—good for 3x3' area. Sale priced at \$99.00+\$5.00 shipping, anywhere in U.S.A.	\$99.00

LOW PRESSURE SODIUM—(our most efficient light)

★ 180 watts produce 33,000 lumens. Great for flowering. Excellent for side light. Deluxe fixture. Ventilated ballast box	\$195.00
--	----------

ACCESSORIES:

Replacement light bulbs available for all our systems at our low everyday prices.	
★ High Pressure Sodium Conversion Bulbs that work in metal halide ballasts:	
1000 watt—24,000 hr. \$139.00 400 watt—24,000 hr. \$69.00	
★ 15 amp Paragon timer (works on all our systems)	\$14.95
★ CO ₂ Regulator Distributor—Maintains CO ₂ at a constant level while the light is on to promote up to 25% increase in growth. For growing areas 25 sq. ft. to 1000 sq. ft. Includes all gauges and distribution lines. Plugs into your light's timer (tank not included)	Sale Priced \$139.00
★ Solar Shuttle™ Track—moves your lamp quietly and efficiently back and forth above your plants on a 6-foot track in 40-minute cycles increasing the coverage of your lamp	\$99.00
★ Solar Shuttle™ Extender—adds another 6-foot track to the end of your Solar Shuttle™ so you can run two lights off of one shuttle	\$39.95

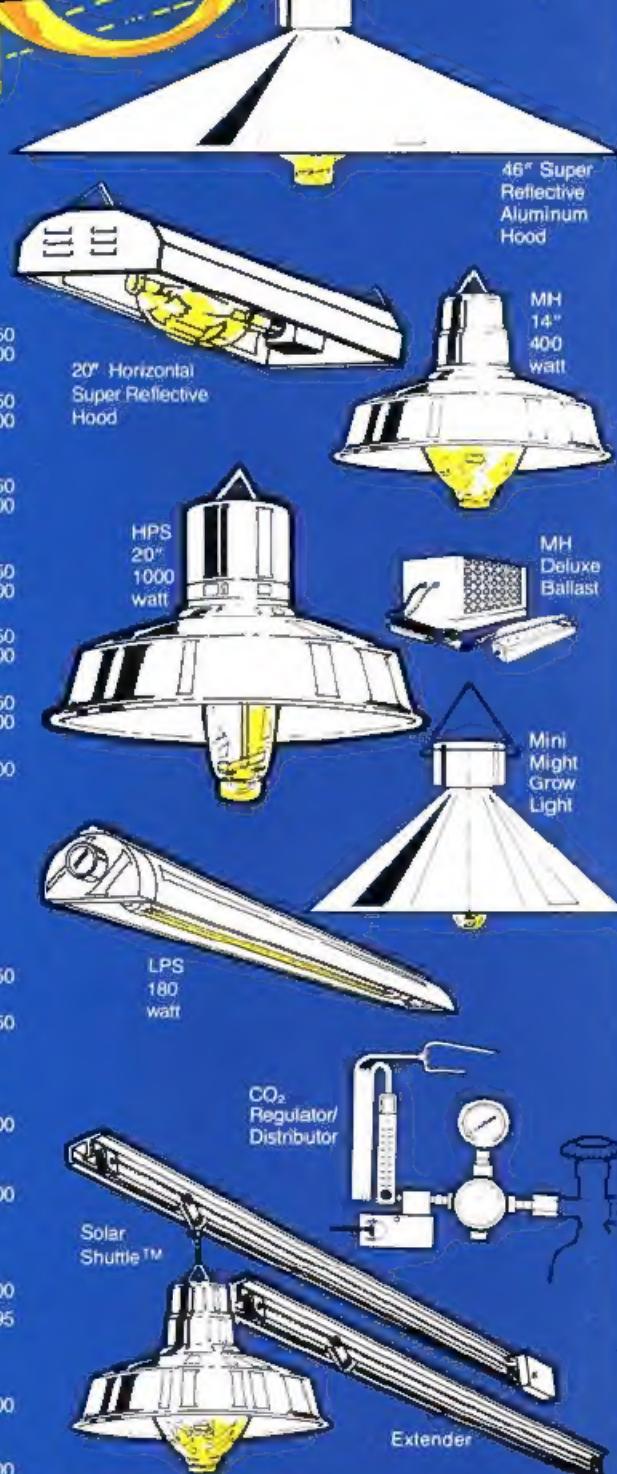


ENERGY SAVERS UNLIMITED, INC.

22138 SOUTH VERNON AVE., #C, TORRANCE, CA 90502

Toll Free Outside California (800) 421-2994 In California Call Toll Free (800) 538-3400

(One year warranty on bulbs.)



ONE YEAR PARTS & LABOR GUARANTEE • 30 DAY MONEY BACK
GUARANTEE • MOST ORDERS SHIPPED IN 24 HOURS
C.O.D. ORDERS WELCOME • NO DEPOSIT REQUIRED
QUANTITY PRICES AVAILABLE • CALL FOR FREE CATALOG



Prices do not include shipping



BODY STIMULANTS

**FASTEST
& STRONGEST**

STIMULANTS
LARGEST SELECTION
FASTESt SERVICE

**LOWEST PRICES
ANYWHERE**

**WE WILL MEET OR BEAT
ANY REASONABLE PRICES!!**

Orders Shipped in 24 Hours!

CODE #A 1000 / 100 \$34.95 / \$7.50	CODE #B 1000 / 100 \$29.95 / \$7.00
325 MGS CAFFEINE	200 MGS CAFFEINE
CODE #C 1000 / 100 \$35.00 / \$7.50	CODE #D 1000 / 100 \$39.95 / \$6.95
250 MGS CAFFEINE	200 MGS CAFFEINE
CODE #E 1000 / 100 \$22.50 / \$5.50	CODE #F 1000 / 100 \$28.50 / \$8.50
250 MGS CAFFEINE	325 MGS CAFFEINE
CODE #G 1000 / 100 \$28.50 / \$6.50	CODE #H 1000 / 100 \$17.95 / \$6.50
325 MGS CAFFEINE	25 MGS EPHEDRAINE
CODE #I 1000 / 100 \$29.95 / \$6.50	CODE #J 1000 / 100 \$29.95 / \$6.50
200 MGS CAFFEINE	200 MGS CAFFEINE
CODE #K 1000 / 100 \$22.50 / \$6.50	CODE #L 1000 / 100 \$32.50 / \$7.50
250 MGS CAFFEINE	357 MGS CAFFEINE

PAYMENT:

- CHARGE CARD (\$10.00 min.)
- MONEY ORDER (ANY AMOUNT)
- PERSONAL CHECKS (not over \$50.00)
- C.O.D.'s (\$10.00 min.)
- ALL ORDERS IN U.S. FUNDS ONLY

813-527-9977
(EAST COAST TIME)



RUSH ORDER TO: EAST COAST NUTRITIONAL LABS
5480 58th St. No.
Box 28336
St. Petersburg, FL 33709

(Please Print) _____				
Name _____	Address _____	City _____ State _____ Zip _____	SALES TAX	
Phone (_____) _____				Shipping \$3.50
ITEM CODE	QUANTITY	HOW MANY	PRICE EACH	TOTAL
TOTAL				

M/C VISA

Card # _____ Exp. _____

Signature _____ (Charge cards must include phone #)

NOTE: Our products bear our trademark. They cannot be confused with any other product on the market. Offers subject to change without notice. May substitute. Take only as directed. Read all package statements, no sales to minors or where prohibited by law. The advertised products have various levels of non-controlled ingredients. OTC's not to be mixed with alcohol. Any attempts to offer these products for sale as a controlled substance or prescription drug may be a crime. This may result in criminal prosecution. Compliance with any law is the purchaser's responsibility. CAUTION: individuals under medical care should consult their physician.

The RainForest. Suddenly, all other hydro-systems are obsolete.

Diamond lights is proud to introduce the first, fully aeroponic modular system, the RainForest. Each RainForest module is completely independent and allows infinite numbers of modules to be interconnected by just adding a controller reservoir.

The RainForest can root your cuttings or germinate your seeds, fast and efficiently without problems, and take them to harvest without having to do any transplanting. The results will amaze you.

The RainForest system is fully protected by U.S. and International patents.

Single module \$79.95

Optional reservoirs:

8 gallon controller reservoir (up to 12 modules) 39.00

19 gallon controller reservoir

(up to 36 modules) 49.00



OUR LIGHTS CAME ON EIGHT YEARS AGO.

Since then, we've shipped thousands of Metal Halide and High Pressure Sodium light systems. Some of the features are:

- 20'-600v lamp cord with 8' power cord.
- Ventilated socket housing with connections OUTSIDE, away from heat.
- Double panel, ventilated ballast enclosure for maximum cooling.
- Two year guarantee—1 year bulb.
- Four hood designs to choose from: 45° Standard, 45° Parabolic, 21° Parabolic and our new Optically Designed Horizontal.

1000w-Halide. \$198.00 1000w H.P. Sodium \$258.00

400w-Halide. 138.00 400w H.P. Sodium 188.00

45° Parabolic—Add \$10.00.

220v wiring—no charge.

THE SUN DOESN'T STAY IN ONE SPOT.

That's why the SunCircle™ or the Solar

Shuttle can help you spread light into corners that normally wouldn't receive it.

SunCircle 1. \$135.00 SunCircle 3. \$248.00

SunCircle 2. 189.00 Solar Shuttle 6' track. 95.00

Solar Shuttle 4' track. 85.00



FOR ORDERING OR OUR FREE CATALOG,
PHONE 800-331-3994

For Technical Information and CA Residents (415) 459-3994

DIAMOND LIGHTS

713 MISSION AVENUE • SAN RAFAEL, CA 94901

"We are different from the rest"

Most money order, credit card, COD orders shipped within 24 hrs.

Prices do not include shipping.

Dealer inquiries welcome.

CA residents add 6% sales tax.

VISIT OUR SHOWROOM



THE ORIGINAL AQUAFARM MODULAR SYSTEM.

Expandable from 1 to 36 modules by simply adding a controller reservoir. The unique aeration feeding system creates fast growth and large yields. The AquaFarm is the perfect solution for your mother plants.

Single module	\$ 58.00
4 modules with controller	209.00
6 modules with controller	309.00
8 modules with controller	409.00
10 modules with controller	469.00
12 modules with controller	549.00

N O . 1 6 0

CONTENTS

D E C . 1 9 8 8

F E A T U R E S

THE GREAT DRUG WAR

by Arnold S. Trebach.....32

Against his will, a young man is confined to a drug treatment program he doesn't need. Couldn't happen in America, you say? Read on...

THE PSYCHEDELIC PLANT DOCTOR

by Peter Gorman.....37

HIGH IN THE EYE

by Chef Ra.....23

An eyewitness account of Hurricane Gilbert's devastation of Jamaica.

INTERVIEW: JOHN WILCOCK

by John Holmstrom.....42

CHEF RA'S GUIDE TO JAMAICA

by Chef Ra.....44

Where to go, what to see, when to cop, how to act; plus two ital vital recipes from Ra's kitchen.

POLYMERS

by Dr. Zee.....54

A revolutionary new invention that cuts plant watering by 50%.

THE 1988 READER'S HARVEST REPORT

by Our Readers.....64

How did the Drought of '88 affect America's marijuana crop?

C O L U M N S D E P A R T M E N T S

PAGE SIX

by Steven Hager.....6

LETTERS

from our readers.....14

ONE MAN'S DOPE

by Dean Latimer.....21

Procter & Gamble says:

"Just Say Buy!"

OUTLAW NATION

by Ed Rosenthal.....24

US Foreign Policy: Special
Interests Rule!

ASK ED

by Ed Rosenthal.....52

HIGH ART

by Carlo McCormick.....62

Tony Fitzpatrick pokes the
underbelly.

HIGHWITNESS NEWS

edited by Lou Stathis.....19

TRANS-HIGH MARKET

QUOTATIONS

edited by Edie Barrett.....26

TRANS-HIGH MARKET

LETTERS.....27

CENTERFOLD.....50

PRODUCTS.....69

CLASSIFIEDS.....78

BOOKSTORE.....80

THE ULTIMATE PARTY

MAGAZINE

edited by John Holmstrom.....89

On The Cover:
Chef Ra in Jamaica;
Photography by Andre Grossman. Tie-dye
apron by Dye Works,
The Farm, Summertown TN



37



44



64



*Mamie Van Doren busts out!
(p. 89)*



HIGH TIMES

PUBLISHER

ROBERT ARONSON

EDITOR-IN-CHIEF

STEVEN HAGER

EXECUTIVE EDITOR

JOHN HOLMSTROM

ART DIRECTOR

FLICK FORD

MANAGING EDITOR

ERIC DANVILLE

CONTROLLER

SHEILA AVON

CIRCULATION MANAGER

RAYMOND L. BLACKSTOCK

ADVERTISING MANAGER

SHERI KAPLAN

ADVERTISING REPRESENTATIVE

SHERRY LUTZ

ADMINISTRATIVE ASSISTANT

JUDY MCGUIRE

CONTRIBUTING WRITERS

ED ROSENTHAL, CULTIVATION

LOU STATHIS, NEWS

BRAM, INDOOR GROW

ROBERT CONNELL CLARKE, THE GENERAL,
PETER GORMAN, RA JAMES, ESPY LACOPA,

DEAN LATIMER, AID MacSPADE,

JAMES MARSHALL, CARLO McCORMICK,

JIM POLING, KYLE ROQ, MICHAEL WELDON

CONTRIBUTING ARTISTS AND PHOTOGRAPHERS

BRIAN SPAETH, DESIGN

ELIN WILDER, PHOTOS

DAVID ALLEN, ACE BACKWARDS, ERIC DROOKER,
JOHN EDER, BOB FINGERMAN, ANDRE GROSSMANN,
MILTON KNIGHT, LENNIE MAE, JAMES ROMBERGER,
JEFF VAUGHAN, J.D. KING, CAPT. WHIZZO
NATIONAL ADVERTISING OFFICE

211 East 43rd Street

New York, NY 10017 (212) 972-8484

FOUNDING EDITOR

THOMAS KING FORCADE, 1945-1978

DECEMBER 1988 • No. 160 • HIGH TIMES (ISSN #0362-630X) is published monthly by Trans-High Corporation, Robert Aronson, President • Mail subscriptions (payable in U.S. funds) and changes of address (please include most recent mailing label) to P.O. Box 410, Mt. Morris, IL 61054. • Allow 6 to 8 weeks for delivery of first issue or for change of address. • Subscriptions in the United States: 12 issues for \$29.95, 24 issues for \$54.95 • Single copy price: \$3.95 • In Canada: 12 issues for \$37.45, 24 issues for \$68.95 • All other countries by surface mail: 12 issues for \$37.45 • All other countries by airmail: \$67.00 • Offices at 211 E. 43rd St., New York, NY 10017 • Second class postage paid at New York, NY, and at additional mailing offices • Manuscripts must be accompanied by a self-addressed stamped envelope • All contributions will be carefully considered, but the publisher and editors assume no responsibility for loss or injury to unsolicited material • Copyright ©1988 by Trans-High Corporation. Nothing in this publication may be reproduced in any manner, either in whole or in part, without specific written permission of the publisher. All rights reserved. "High Times" is a registered trademark. HIGH TIMES and Trans-High Corporation assume no responsibility for any claims or representations contained in this magazine or in any advertisement, nor do they encourage the illegal use of any of the products advertised herein. All advertising and advertised products void where prohibited. Postmaster: Please send address changes to HIGH TIMES, P.O. Box 410, Mt. Morris, IL 61054.

PAGE SIX

"Cross-cultural understanding is my primary goal," says Chef Ra, who can fill a room with positive vibes faster than any man alive. Whether he's throwing darts at the Illini Inn, placing bets at OTB, or cookin' up a mushroom omelette, The Great Ra lives every moment with zen-like enthusiasm. His talents are many, from Rasta philosopher and turtle-trainer extraordinaire to Cajun chef, fisherman, lover, and reggae deejay.

When Hurricane Gilbert began beating down our necks, it didn't surprise me that Chef Ra kept a cool head. Hopping into our rental car he took off for the supermarket to stock up on important supplies: cold beer, cheese, eggs, bread, candles, matches, and plenty of herbs. Two hours later, the roads in Negril were completely blocked by fallen trees. Without Chef Ra's quick thinking, our post-hurricane dinner would have been pretty meagre.

Little is known about Chef Ra's origins, and the mysterious chef prefers to keep things that way. Having known him personally since 1963, however, I can assure you his credentials in the counterculture stretch way back. (At the infamous 1972 Republican National Convention, for example, he served as Jane Fonda and Bobby Seale's "bodyguard.")

Aside from appearing each month in HIGH TIMES, Ra has a weekly radio show every Thursday from 8 to 10 pm on WEFT FM, 90.1, Champaign-Urbana, Illinois. He also leads an annual guided tour to Jamaica. (For tour info write Chef Ra c/o HIGH TIMES, 211 East 43rd, New York, NY 10017.)

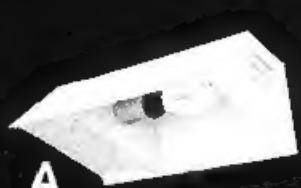
Ra's hurricane story starts on page 23; his guide to Jamaica appears on page 44. Rumor has it he'll be leading a psychedelic bus tour of the country this summer, so look for him in your own hometown. Even better, send him an invitation to your "ultimate party."

Happy Holidays

Steve Hager
Editor-in-Chief

Chef Ra





THE FACTS ARE IN

HAMILTON'S GROW LIGHTS ARE THE NEW #1 IN THE U.S.A.

Only Hamilton has been honored for having its' horizontal lighting systems exhibited at the 1988 Hydroponic Society of America convention

A good grow light is the key to indoor growing success

It is well known that Metal Halide and High Pressure Sodium full spectrum lights, especially in a horizontal reflector system, are the best lights to promote good plant growth and to increase bud and flower production.

Fluorescent lights are too weak and too inefficient to supply enough light for budding and flowering (as in PHOTOTRON). Ten 40-watt fluorescent tubes (400 watts) would give only a fraction of the light intensity of a 400 watt Metal Halide or High Pressure Sodium Lamp and would be too costly, would require too much electricity, and would give mediocre results.

How to get maximum light output

Hamilton's aerospace design staff engineer has perfected the ultimate horizontal reflector:

Max 89 . The unique double arc "v" design and the super reflective finish of Max 89 (B) give a remarkable 89% increase in light output over vertical mounted lights - Hamilton has achieved the impossible... it is not possible to design a reflector that can give more light than Max 89. It's ventilation design assures a long life for your grow light bulb without undue light loss. Every Max 89 has an adjustment feature which allows you to regulate light to meet the requirements of your growing area with either more concentrated or more diffused light. Max 89 has a low profile design that actually leaves more vertical space for plant growth.

Percentage of light increase in the two leading Horizontal Systems

Hamilton Technology	89%
Max 89™	
Mini Horizontal	68%

Mini-Horizontal MH 175 or HPS 150

Compact (built-in ballast), economical, yet powerful. Ideal for small growing areas, side lighting, and cuttings (A)only \$95.00

How to get highest quality products

Hamilton products are constructed of the highest quality components; our design engineer insists on excellence at every step. All UL approved ballast components (C) are mounted on a heavy 14 gauge steel panel with strong studs to insure whisper-quiet performance and durability. The single heavy panel acts as an excellent heat dissipator, unlike thin, double-walled heat traps that vibrate and echo irritating noise. The 3-way, 38 bi-level louver design gives the ballast maximum cooling air flow for longer ballast life. These louvers give better protection against water splash and dirt entry than screen or slot type systems. Our ballasts come with a rust protective white finish which also reflects light.

Comparison of Ballast Enclosure Design

Hamilton Technology	38 bi level louvers, 3 way
---------------------	----------------------------

Competitor A	12 louvers
--------------	------------

Competitor B (no louvers, slot type)	
--------------------------------------	--

Better safe than sorry

Many poorly designed lighting systems become fire hazards with increased use. Hamilton uses UL approved heavy-duty, high temperature resistant lamp cords and connectors. Our lamp cords are not only 220° F./600 volt but have an "STO" safety and durability designation. For utmost safety, lamp cords are connected 4" away from the socket through a protective conduit and junction box to prevent fire from lamp heat build up. Our Metal Halide 1000 Deluxe System includes a 15 amp protective circuit breaker with an on / off control switch.

Best value at Hamilton

Hamilton offers you quality products at the lowest prices. Why pay inflated prices for inferior products? Order from our large selection of light and hydroponic systems on Page 12 of this issue.

COMPARE PRICE & SAVE WITH HAMILTON

Metal Halide 1000w from	\$139.95 to \$179.95
Metal Halide 400w Deluxe	\$124.50
Combination MH 400w/HPS 400w	\$299.00
High Pressure Sodium 1000w Deluxe	\$255.95
High Pressure Sodium 400w Deluxe	\$174.95
Mini-Horizontal MH 175w or HPS 150w	\$95.00

Satisfaction guaranteed

Order from Hamilton with confidence that our systems are of exceptional quality, performance and value. Our light systems will perform beyond your greatest expectations. We guarantee your complete satisfaction with our **30-day money back policy**. Our lighting systems are fully guaranteed for 5 years (bulb 1 year).

Service with a smile

Hamilton is happy to assist you with answers to your lighting and gardening questions. Call us Toll Free (800) 458-7474 between 9 A.M. and 5 P.M. Pacific Time for this free service.

Fast COD or Credit Card delivery by UPS anywhere
Large inventory. Now... Shipping in 24 hours.

**TO ORDER TODAY CALL:
(800) 458-7474**

**HAMILTON TECHNOLOGY CORP.
14902 S. Figueroa St., Gardena, CA 90248**

FOR WALK-IN CUSTOMERS:

Los Angeles, CA buy direct from factory
14902 S. Figueroa St., Gardena, CA ... (213) 217-1191

Atlanta, Georgia: (404) 928-4769

Hydro-Gro Mini-Farm, 6525 Bells Ferry Road, Woodstock

Columbus, Georgia: (404) 324-4769

Hydro-Gro Mini-Farm, Route 1, Cataula, (2 miles North of Columbus on Hamilton Road)

Denver, Colorado: (303) 744-6400

Thomas Floral, 1 Broadway #108

Richmond, Virginia: (804) 359-4776

T.C. Gallery, 3318 West Broad Street

* Prices may vary at stores

APPLIED HYDROPOONICS, INC.
FOR FACTORY DIRECT SALES
CALL TOLL FREE



or call or visit your nearest
authorized retailer:

Prices, special offers, and hours may vary.

ALASKA

Interior Halide & Hydroponics (907) 479-7939
3550 Airport Rd. Ste. #5, Fairbanks, AK 99709

ARIZONA

Red Mountain Hydroponics (602) 464-1797
121 S. Country Club Dr., Mesa, AZ 85210

CALIFORNIA

Applied Hydroponics-L.A. (818) 243-0068
4527 San Fernando Rd., Glendale, CA 91204

HydroLights (916) 895-8301

347 Nord Ave., Ste. #1, Chico, CA 95926

Early Pearl Garden Supply 1-800-541-1637
3032 University Ave., San Diego, CA 92104

COLORADO

Rocky Mtn. Lighting & Hydro. (303) 428-5020
7100 No. Broadway, Ste. 6-5, Denver, CO 80221

FLORIDA

Worms Way-Florida (813) 621-1792
5311 56th Commerce Park Blvd., Tampa, FL 33610

GEORGIA

Southern Lights & Hydroponics (404) 368-0288
5634-F Buford Hwy., Norcross, GA 30071

IDAHO

Idaho Halide (208) 345-1564
3159 Chinden Blvd., Boise, ID 83714

ILLINOIS

Chicago Indoor Garden Supply (312) 289-4545
108 N. Barrington Rd., Streamwood, IL 60107

High Tech Indoor Gardening 1-800-747-LITE
2164-B Washington Rd., Washington, IL 61571

INDIANA

Orange Sunshine (219) 926-1020
114 N. Calumet, Chesterton, IN 46304

Worms Way-Indiana (812) 837-9901
4620 S. State Road 446, Bloomington, IN 47401

MASSACHUSETTS

Worms Way - Massachusetts (812) 837-9901
Opening Nov. 1

MICHIGAN

Indoor Gardening Center, Inc. (313) 451-0797
8539 Lilley Rd., Canton, MI 48187

Indoor Gardening Center, Inc. (313) 548-4769
26105 John R. Road, Madison Hts., MI 48071

NORTH CAROLINA

Pathway (919) 767-0042
4965-F Indiana Ave., Winston-Salem, NC 27106

OHIO

Northern Lights & Hydroponics (216) 922-0777
2039 State Road, Cuyahoga Falls, OH 44223

Waterbeds & Stuff (614) 276-4722
3788 W. Broad St., Columbus, OH 43228
7 Ohio stores - Mail orders call - Direct Source
1-800-848-1408, Ohio 1-800-971-1668

OKLAHOMA

Oklahoma-Tek Growers Supply (405) 843-1888
2911 W. Wilshire, Oklahoma City, OK 73116

PENNSYLVANIA

Northern Lights & Hydroponics (412) 654-8383
4 Mahoning Ave., New Castle, PA 16102

Northern Lights & Hydroponics (814) 455-3962
2809 Pine Ave., Erie, PA 16504

Northern Lights & Hydroponics (412) 824-8446
814 E. Pittsburgh Plaza, Pittsburgh, PA 15112

TEXAS

Gas Pipe (817) 461-7711 Gas Pipe (512) 472-4774
1407 No. Collins, 701 E. 5th St.
Arlington, TX 76011 Austin, TX 78701

Gas Pipe (214) 526-5982 Gas Pipe (214) 553-9293
4420 Maple, 9515 Skillman,
Dallas, TX 75219 Dallas, TX 75243

WISCONSIN

Madison Indoor Garden Supply (608) 221-9292
6420 Bridge Rd., Monona, WI 53713

CANADA

Brite Lite/Que' Pousse (514) 489-3806
2215 Walkley, Montreal, Quebec, CAN H4B2J9

HYDROFARM®

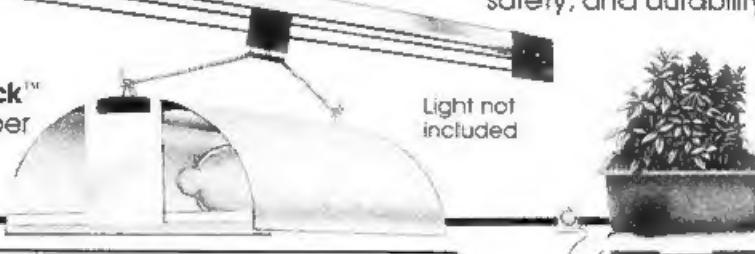
More growers rely on HYDROFARM products than any other brand of equipment. Why? Because HYDROFARM products are designed for optimum performance and are manufactured for quality, safety, and durability.

NEW!

The Hydrofarm Light Track™

FASTER! 20% more laps per lighting cycle.

6' Ft. System . . \$99.95



Light not included

BETTER DESIGNED — BETTER BUILT

Compare our features:

HYDROFARM LIGHT TRACK™

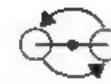
- Hang horizontal or vertical lights
- No-drip motor: lifetime lubrication
- Heavy-duty four wheel carrier
- Full five year guarantee

OTHERS

- Hang vertical lights only
- Motor drips; needs oiling
- Weak one wheel carrier
- One year guarantee only

HYDROFARM SOLO GEOLITE SYSTEM

Professional quality automated Ebb & Flow with Geolite in a single unit size, 2' x 2'. Includes nutrients, pump, timer, etc.
\$69.95



SUN CIRCLE™ \$199.95

Get more coverage with this rotating device that moves two lights in a full circle. Blend lights for optimum results. Exclusive horizontal hanger bars included at no extra charge. (Lights not included.)

One-arm Sun Circle **\$139.95**

Three-arm Sun Circle **\$259.95**



CYLINDERS OF SUNLIGHT™

Recommended for seedlings and cutting starts, low ceilings. Same spectrum as the sun.

Box of six 48" tubes **\$74.95**

Other grower-proven HYDROFARM products also available (see catalog): • 45° Vertical Reflector Systems • Hydrofarm Cutting Concentrate • Grow and Bloom Nutrients • Air Cleaner • Cutting Starter Kit • HPS Conversion Bulbs • Digital pH Pen • Vent Fans • Geolite • Rockwool • Mylar, etc.

SPECIAL OFFER

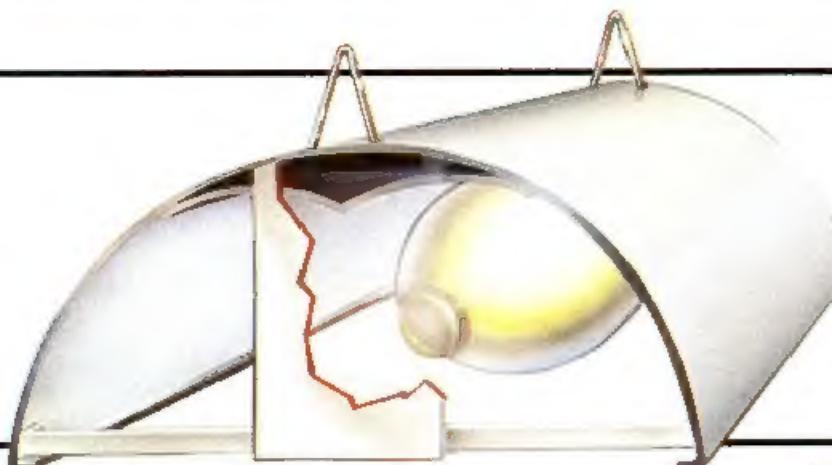
With every purchase of HYDROFARM products we are giving away a copy of MEGACROP, the latest book on increasing your yield. This offer is available at all participating authorized retail outlets as well as through phone and mail orders.



Why buy from us?

Applied Hydroponics has been the leading manufacturer of indoor gardening equipment since 1977. We are the oldest and the largest. Time tested and proven, our record for quality, reliability, and service speaks for itself: HYDROFARM brand products are the choice of more growers and retailers than all others combined!

GROW WITH THE BEST



THE HYDROFARM GROW WING™ (pat. pend.)

Delivers more light intensity than any other reflector, horizontal or vertical!

- Horizontal system with double parabola design for the most efficient light reflection—**THE BEST!**
- Low profile for more vertical growing space
- Electro-white finish for permanent, uniform light distribution
- Strong steel construction for level lamp support
- Adjustable lamp position bracket
- **Safety-First** HYDROFARM wiring system.



MINI-HORIZONTAL

Choose 175 watt metal halide or 150 watt HPS system.

- Horizontal efficiency
- Built-in ballast
- Electro-white finish
- Ready to plug into any 120V outlet. \$109.95



BALLAST (Included)

Improved design with double-wall steel construction, front and rear bi-level louvers, all UL components.

LIGHTING SYSTEMS

1000 MH	\$199.95
400 MH	149.95
1000 HPS	264.95
400 HPS	189.95

THE HYDROFARM QUANTUM™ (pat. pend.)

The next generation from the leader in hydroponics. Never before has peak performance been offered in such a reliable, easy-to-use system. Technology: Rockwool medium • Multi-ridge irrigation and aeration system. Versatility: Grow 20 full-size plants, hundreds of cuttings, or up to 600 starts! • Use full term or continuous harvest methods (alternatives illustrated) \$199.95

Options: Ebb and Flow package • Slab package

• Geotube package.

Expansion: Add on up to four more trays!



Nothing extra to buy or build.

Comes with:

- 4 grow trays, covers & stands
- 25 gal. reservoir & cover
- Pump & irrigation system
- Rockwool starter & growing cubes
- Nutrients and complete instructions

20 ft. Distribution Tubing



HYDROFARM CO₂ SYSTEM

- Fertilize the air
- Double growth and flowering
- Unique programmable timing

\$149.95

Only Applied Hydroponics offers:
Full 5-year product guarantee
(bulbs, one year) • 30 day
money-back guarantee • Factories
(with showrooms) on both coasts
• Fastest delivery nationwide
• New low shipping rates

Free catalog & phone orders
TOLL FREE 1-800-227-4567 EAST
1-800-634-9999 WEST

Visit our showrooms M-F 9-5, Sat 10-5

Applied Hydroponics, Inc.

East U.S.-Phila.: 208 Route 13 Bristol, PA 19007
West U.S.-S.F.: 3135 Kerner Blvd. San Rafael, CA 94901

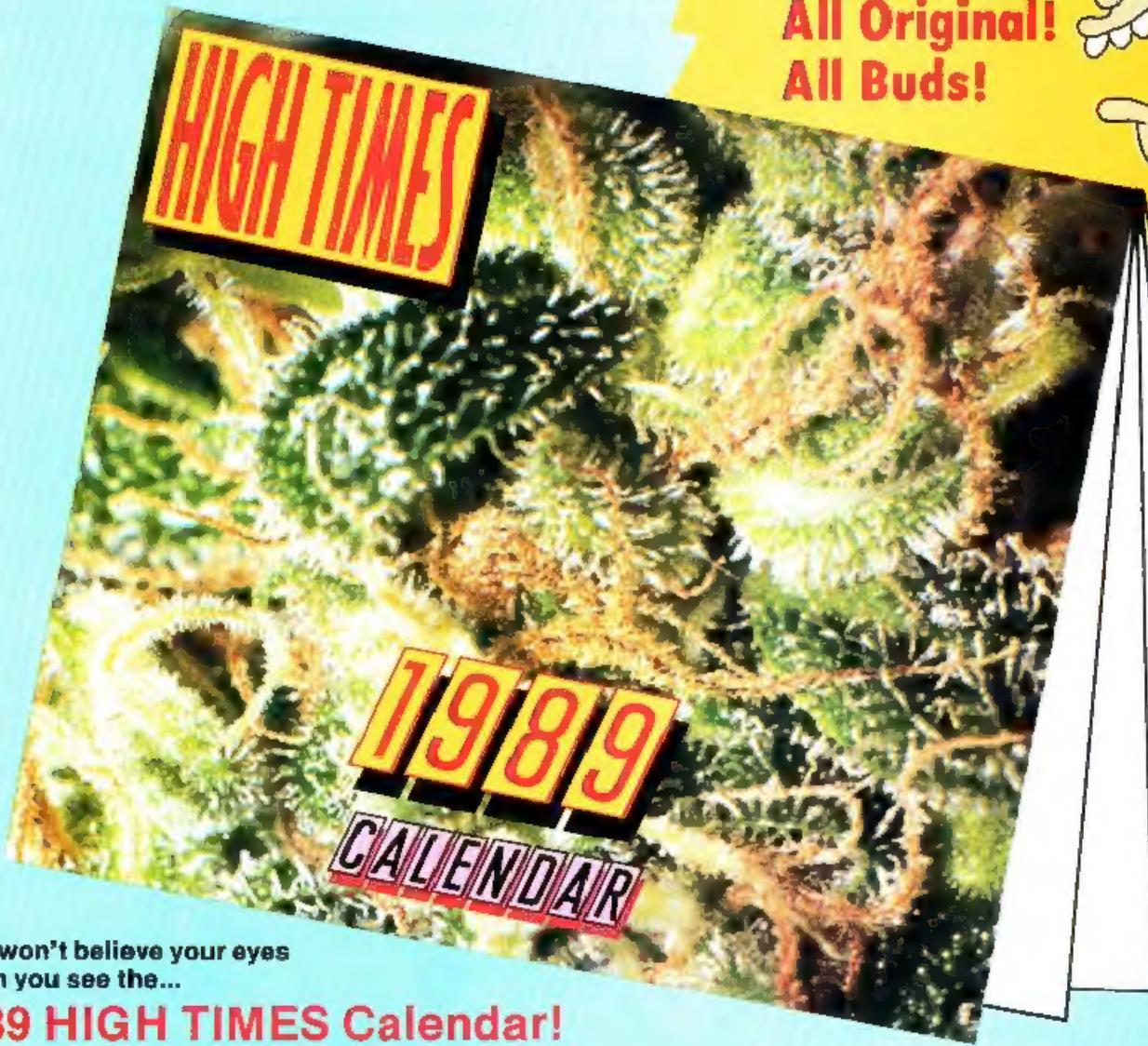


COD



CA & PA residents add 6% sales tax. All prices plus shipping.

All New!
All Original!
All Buds!



You won't believe your eyes
when you see the...

1989 HIGH TIMES Calendar!

The 1989 HIGH TIMES Calendar showcases beautiful, never-before-published photos of the stickiest, sweetest buds in the country from our best photographers. It's perfect for keeping track of your appointments or planning your next harvest! So order yours today!

CALL TOLL FREE FOR ORDERS ONLY

800-435-0715

In Ill. 800-892-0753



Payment enclosed
 MasterCard Visa

Card# _____

Expiration date _____

Signature _____

HIGH TIMES CALENDAR
P.O. BOX 410
MT. MORRIS, IL 61054

SEND ME _____ CALENDAR(S) AT \$6.95

NAME _____

ADDRESS _____

CITY _____

STATE _____

ZIP

C89

METAL HALIDE COMPLETE GROWLIGHT SYSTEMS

1000 WATT SYSTEMS

DELUXE - 46" round or parabolic	
20" horizontal	184.50
STANDARD - 14" White Enamel Reflector	167.50
ECONOMY - 2'x3' Polished	
Aluminum Reflector	144.50
To upgrade to a 125,000 lumen-12,000 hour Superbulb	Add 15.00
Phosphorous coated bulbs	Add 6.00

400 WATT SYSTEMS

DELUXE - 14" White Enamel Reflector	134.50
STANDARD - 14" White Enamel Reflector	124.50
ECONOMY - 2'x3' Polished	
Aluminum Reflector	109.50
To upgrade to a 40,000 lumen-20,000 hour Superbulb	Add 10.00
Phosphorous coated bulbs	Add 6.00

MINI-MIGHT METAL HALIDE

175 WATT 99.00



HIGH PRESSURE SODIUM COMPLETE GROWLIGHT SYSTEMS

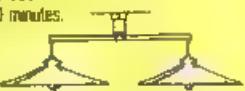
DELUXE 1000 Watt 46" round or parabolic 20" horizontal	269.50
DELUXE 400 Watt 14" Reflector	189.50
MINI-MIGHT 150 Watt (16,000 lumens)	99.00

LOW PRESSURE SODIUM COMPLETE GROWLIGHT SYSTEMS

DELUXE 100 Watt Low Pressure Sodium Light 199.00

LIGHT MOVERS

6" Solar Shuttle	99.00
6" Solar Shuttle Extender	39.95
Solar Shuttle Motor	22.00
Whirling Light Turret	119.00
Sun Circle Light Rotator 360°	
One revolution every 40 minutes.	
1 Arm	139.00
2 Arms	199.00
3 Arms	256.00



TIMERS

Paragon 15 amp/120 volt	14.95
Dayton 15 amp/120 volt	19.95
Dayton 40 amp/120 volt	37.95
Dayton 40 amp/240 volt	39.95
Cycle Timer 150 min. on/off	79.00

BULBS

METAL HALIDE BULBS

M175 - 15,000 lumens 20,000 hours	29.00
M400 - 34,000 lumens 20,000 hours	36.95
MIS400 - 40,000 lumens 20,000 hours	45.95
M1000 - 110,000 lumens 12,000 hours	54.95
MS1000 - 125,000 lumens 12,000 hours	69.95
Phosphorous Coated Bulbs	Add 6.00

HIGH PRESSURE SODIUM CONVERSION BULBS

New available! An energy saving sodium bulb that runs off your existing Metal Halide ballast.	
175w - 15,000 lumens 24,000 hours	59.00
400w - 50,000 lumens 24,000 hours	69.00
1000w - 140,000 lumens 24,000 hours	139.00

HIGH PRESSURE SODIUM BULBS

LU150 - 16,000 lumens 24,000 hours	39.00
LU400 - 50,000 lumens 24,000 hours	52.95
LU1000 - 140,000 lumens 24,000 hours	94.95

LOW PRESSURE SODIUM BULBS

180 Watt 33,000 lumens 24,000 hours	95.00
-------------------------------------	-------

We're celebrating our 10th Anniversary with a 5% discount on all items. Plus a 5 year warranty on all lighting systems. (One year warranty on bulbs.)

VITA LITE

4-ft power twist 40 Watt	13.95
Case of six	75.00

REFLECTORS

(complete with socket and cord)

46" polished aluminum or white	49.00
20" horizontal	49.00
20" adjustable white	40.00
18" white	30.00
14" white	25.00
48" Parabolic hood	49.00
4"x4" square polished aluminum	115.00
5"x5" square polished aluminum	130.00

BALLASTS

Metal Halide Ballasts (110v or 220v available)

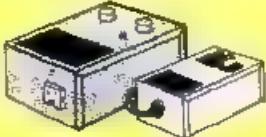
Deluxe 1000w (includes power supply)	15.00
Stan. 1000w	105.00
Econ. 1000w (uncovered)	.97.00
Deluxe 400w (includes power supply)	95.00
Stan. 400w	.85.00
Economy 400w (uncovered)	70.00
Ballast cover	10.00
High Pressure Sodium Ballasts (110v or 220v avail.)	
Deluxe 1000w	170.50
Deluxe 400w	125.50

HYDROPONIC SYSTEMS

4 unit hydrospot	208.00
8 unit hydrospot	255.00
Each additional hydrospot	16.00

SUBMERSIBLE PUMPS

#2P495-120 GPH	37.95
#1P553-140 GPH	39.95
#1P321-300 GPH	56.95

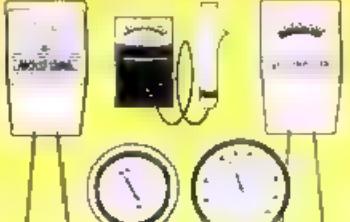


SURGE SURVIVAL SYSTEM

Command Module with one Remote Module (120 or 240 volts)	139.00
Additional Remote Modules (120 or 240 volts)	ea 45.00

METERS

PH Digital Meter	75.00
Dissolved Solids Digital Meter	75.00
Light Intensity Meter	24.99
Plant Computer	9.95
PH Computer	19.95
Soil Salts Meter	20.99
Moisture Meter	11.95
MINMAX Thermometer	32.95
Taylor 4" Barometer	39.95
Fertilizer Analyzer	20.99
Humidity Gauge	21.95
Deute-Humidity and Temperature Gauge	36.95
CO ₂ Gas Detector System	
(2 analyzer tubes incl)	19.95
CO ₂ Analyzer Tubes	3.75
CO ₂ Tester	8.99



SOIL AND LIQUID TESTERS

Sudbury Soil Test Kit (Tests Ph, N, P)	14.95
Sudbury Soil PH Tester	3.95
Tetra Test Liquid PH Tester	3.95
Wardley Jr. Liquid PH Tester	3.95
Wardley St. PH Test Kit	5.99
Penn Plax Test Strip for Liquid PH	2.75

FANS AND BLOWERS

Ventilator fan with Thermostat (14" 900 CFM)	69.95
Squirrel Cage 15 CFM	21.95
Squirrel Cage 50 CFM	29.95
Squirrel Cage 100 CFM	43.95
Squirrel Cage 160 CFM	54.95
Squirrel Cage 200 CFM	69.95
Squirrel Cage 265 CFM	89.95
Squirrel Cage 320 CFM	70.95
Squirrel Cage 465 CFM	89.95
Squirrel Cage 525 CFM	159.95
Squirrel Cage 900 CFM	19.95
Thermostat	34.95
Auto Flo-Humidistat	
12 oz. bottle	3.95
1 gallon	19.95
Super Bloom Liquid Greenleaves 10-40-10	
12 oz. bottle	5.95
1 gallon	24.95
E.S.U. Dry Concentrate - concentrated water soluble fertilizer, 1 heasp. per gallon, 1 pound makes 100 gallons	
Grow (20-6-16) Bloom (9-2-12) All Purpose (16-2-16)	
8 oz.	3.95
5 lbs.	19.95
25 lbs.	79.00

CO₂ SYSTEMS

CO ₂ Regulator/Distributor	139.00
E.S.J. CO ₂ Generator (up to 500 sq. ft.)	324.00
Johnson CO ₂ Generator (up to 4800 sq. ft.)	499.00



CHARCOAL FILTER SYSTEMS

Skunk Buster #100	109.00
Skunk Buster #200	169.00
Skunk Buster #400	225.00

NEGATIVE ION GENERATORS

Airease	49.95
Pulsair	99.00

GROWING SUPPLIES

Mylar (Double sided 99% reflectivity)	
4'x50' roll	29.00
4 x 100' roll	49.00

Mini Grow House	14.95
-----------------	-------

Rock Wool	
2" x 2" Cubes	20
3" x 3" Cubes	39
3" x 4" Cubes	49
40 lb. Bale	39.00

Rock Wool Slabs	
3" x 6" x 3"	4.99
3" x 8" x 3"	6.99
3 x 12" x 3"	10.99

Grow Bags	
2 Gallon Grow Bag	39
5 Gallon Grow Bag	59
7 Gallon Grow Bag	65
10 Gallon Grow Bag	69

Alka Liche	
1 quart	6.95

1 gallon	16.99
<tbl_info cols="2

THE SECRET OF SUCCESSFUL INDOOR GROWING

the easy Hamilton way...

Grow bigger, healthier plants faster.

PROVEN RESULTS. Metal halide and high pressure sodium lights create the highest intensity, best quality sun's full spectrum - indoors. Fluorescent systems are weak, inefficient and do not give your plants enough light lumens for good growth and flowering.

COMPARE & SAVE!

Highest quality products at lowest prices

METAL HALIDE: Best for fast plant growth.

MH 1000 Watt Basic System (Reg. \$182) **\$139.95**
High quality, assembled, QUIET, open ballast; 20' lamp cord; power cord; socket;
110,000 lumen / 12,000 hr bulb. (For SUPER BULB, 14% brighter add \$14.00)

MH 1000 Watt Professional System (Reg. \$210) **\$165.95**
Choice of 24" Horizontal or 48" Parabolic reflector (for MAX-88 reflector add \$6.95)
High quality, assembled, QUIET, ventilated ballast box; 20' lamp cord; 110,000 lumen /
12,000 hr bulb. (For SUPER BULB, 14% brighter, add \$14.00)

MH 1000 Watt Deluxe System (Reg. \$238) **\$179.95**
Choice of 24" Horizontal, 48" Parabolic, or MAX-88 reflector. High quality, assembled,
QUIET, ventilated ballast box with GROUNDED 8-OUTLET ON-OFF CONTROL.
15Amp. PROTECTIVE CIRCUIT BREAKER; 20' lamp cord; 110,000 lumen/12,000 hr bulb.
(For SUPER BULB, 14% brighter, add \$14.00)

MH 400 Watt Deluxe System For small area up to 4'X4' (Reg. \$151) **\$124.50**
Choice of 24" Horizontal or 48" Parabolic reflector (for MAX-88 reflector add \$9.95)
High quality, assembled, QUIET, ventilated ballast box; 20' lamp cord; 34,000 lumen /
20,000 hr bulb. (For SUPER BULB, 14% brighter add \$10.00)

COMBINATION MH/HPS HORIZONTAL SYSTEM **\$299.00**
Perfectly blended lights. 24" Horizontal ventilated super-reflective, electro-white
aluminum reflector with 2 bulbs: a MH 400 & a HPS 400; QL ET remote, ventilated
ballasts (For MAX-88 reflector add \$39.95) (For MH 1000 & HPS 400 add \$69.00)

HIGH PRESSURE SODIUM: Increases budding & flowering

HPS 1000 Watt Deluxe System (Reg. \$317) **\$255.95**
Choice of 24" Horizontal, 48" Parabolic, or MAX-88 reflector. High quality, assembled, QUIET,
ventilated ballast box; 20' lamp cord; 5KV socket, 140,000 lumen / 24,000 hr bulb
Our most powerful light for flowering.

HPS 400 Watt Deluxe System (Reg. \$215) **\$174.95**
Choice of 24" Horizontal or 48" Parabolic reflector (for MAX-88, add \$9.95); High quality,
assembled, QUIET, ventilated ballast box; 20' lamp cord; 50,000 lumen / 24,000 hr bulb.

MINI-HORIZONTAL: MH 175W OR HPS 150W (Reg. \$119) **\$95.00**
Compact yet powerful, 20"X10' X6" electro-white, built-in ballast, economical to operate.

Grounded Light Timer, heavy duty, 15 Amp (Reg. \$20) **\$14.50**

LIGHT MOVERS: More light coverage to grow more plants.
Motorized Lite Track™-Double your light coverage (Reg. \$99) **\$93.95**
Best single light mover 8' track covers up to 8'X10' (EXTENDER for 2nd light \$39.95)

SunCircle2™-Increases flowering by a blend of MH&HPS **\$187.95**
Two lights rotate continuously in full circle; coverage 8'X8' up to 12'X12'

SunCircle3™-Eliminates hot and dark spots (Reg. \$299) **\$245.00**
Three lights rotate continuously in full circle coverage: 10'X10' up to 15'X15'

HYDROPONICS: Our customers say their plant yields are three times
greater and two times faster with Hamilton's automated "flood/drain"
HYDROPRO system. Roots are provided maximum direct nutrition and
aeration without soil. No soil pests, no soil odors, no weeding!

HYDROPRO SINGLE™: ideal for 4 adult plants, min. 2'X2' area (Reg. \$85) **\$59.95**
includes pump, grow & bloom nutrients, timer, pH test kit, Jiffy 7, manual, etc.

HYDROPRO 4™: grow up to 16 adult plants, 3'X9' or 8'X8' area (Reg. \$199) **\$187.95**
includes submersible pump, grow & bloom nutrients, timer, pH test kit, Jiffy 7, manual, etc.

NEW! HPS BULBS - That work in metal halide systems!

1000 Watt . . . (Reg. \$140) **\$129.50** 400 Watt . . . (Reg. \$70) **\$59.50**

CO₂ Enrichment System: Increases growth by 40% (Reg. \$150) **\$137.95**
Includes: Regulator, flow meter, solenoid valve, delivery tubes.

FREE INDOOR GARDENING BOOKLET

With any system purchased

ION GENERATOR: Clean growing area of smoke, odors, pollen & pollutants.
AirEase \$49.95 Pulsair \$98.50 Phase3 for max. odor elimination \$119.00

DIGITAL pH PEN: Instant accurate readings (Reg. \$97) **\$58.95**

DIGITAL Dissolved Solids (Conductivity) PEN (Reg. \$97) **\$58.95**

**ROCKWOOL • GROW & BLOOM NUTRIENTS • NYLAR • BULBS •
TIMERS • BLOWERS • GROWING SUPPLIES, etc. . . . Call for Price.**

12 FREE CATALOG



Why Hamilton's Customers are Satisfied?

- Highest quality products at lowest prices.
- Large inventory with shipment in 24 hours.
- Reliable service and 5 yr. guarantee (bulbs 1 yr.).
- 30 day money back guarantee.
- Fast C.O.D. delivery by U.P.S. - anywhere.

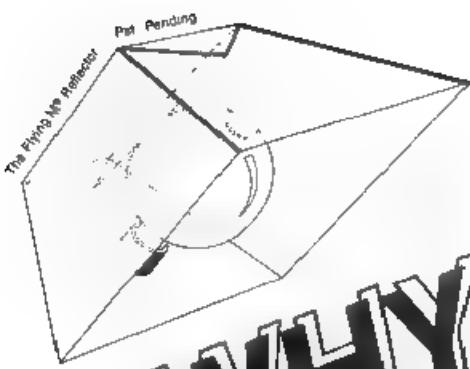
**ORDER TOLL FREE:
(800) 458-7474**

in LOS ANGELES buy direct from our warehouse:

HAMILTON TECHNOLOGY CORP.

14902 S. Figueroa Street, Gardena, CA 90248





WHY BUY FROM US?

5

years ago we introduced the horizontal reflector for use with Sodium and Halide lighting systems. In the past year most suppliers now have one in their line, and all claim that theirs is "THE BEST."

One year ago we developed the Tandem 4® system, using both Sodium and Halide lamps in ONE horizontal fixture. Almost immediately, one other supplier copied us, and, of course, they called theirs "THE BEST." What is the truth behind all these claims? We bought everyone's reflector and spent a lot of time measuring.

THESE ARE THE TEST RESULTS: ▶

*All tests conducted under identical conditions, with no ambient light. We used a GE Model 214 light meter, which is color and cosine corrected. We used identical

lamps and ballasts, and lamps were always hung 40" from the floor to the centerline of the arc tube, and always allowed to warm up for 20 minutes. 21

measurements were taken one foot apart over a 10' x 10' cross pattern and the readings averaged, in order to get a single number from which to compare. Ask for complete report

AVERAGE FOOT-CANDLES IN A 10' x 10' AREA*

Supplier/Reflector Type	1000w HPS	Rank	400w HPS	Rank
GEOTECHNOLOGY Flying M®	1040	1	405	1
Company A	929	2	356	3
GEOTECHNOLOGY Standard Reflector	905	3	346	5
Company B	871	4	352	4
Company C	850	5	320	7
Company D	844	6	380	2
Company E	802	7	315	8
Company F	755	8	325	6
Company G	NA	NA	312	9
Company H 4' vertical reflector	641	9	NA	
Company I 4' vertical parabolic	549	10	NA	
GEOTECHNOLOGY Tandem 10°	1535	1		
GEOTECHNOLOGY Tandem 4°	NA	NA	692	1
Company B	NA	NA	602	2

(Sorry, we can't print the names of each company. But you can call or write for a complete report, with names.)

The only reason you buy a light is to get the most illumination in your working area. There is only one "BEST." Now you know which one it is!

Geotechnology, Inc.
The high-tech lighting company.

1035 17th Avenue
Santa Cruz, CA 95062
In CA (408) 479-9981
Outside CA (800) 346-2321



MC VISA welcomed: COD OK with 20% deposit. Write NOW for a FREE catalog, and we will include a list of FREE TECHNICAL PUBLICATIONS.

SYSTEM	ORDER FORM		TOTAL COST (per line)
	PRICE	SHIPPING (per system)	
1000 watt metal halide with standard reflector	\$198	\$27	
1000 watt metal halide with Flying M® reflector	257	30	
400 watt metal halide with standard reflector	138	21	
400 watt metal halide with Mini M® reflector	197	24	
1000 watt HP sodium with standard reflector	264	32	
1000 watt HP sodium with Flying M® reflector	323	35	
400 watt HP sodium with standard reflector	198	25	
400 watt HP sodium with Mini M® reflector	257	28	

FINAL TOTAL: \$

© Geotechnology, Inc. 1988



NO MORE CHEMICALS!

I truly feel HIGH TIMES is not doing enough to advocate total organic cultivation. Your statement on Page 6 claiming that commercial pot grown today is an organic product (August '88) is not completely true. Many growers use chemical fertilizers and growth aids. The folks growing with hydroponics should try using a diluted form of fish emulsion (5-2-2). Since the chemical runoff from farms is destroying our lakes and rivers, isn't it about time to get back to the basics?

—MD

Cleveland, OH

HOARY OLD TIMES

While we do sorely need a magazine to counteract the orthodoxy of the media regarding drugs, HIGH TIMES unfortunately substitutes an orthodoxy of its own for the one it refutes. While managing to avoid being hysterical or preachy, HIGH TIMES puts out a message which is still less than the total voice of sanity and reason we need. You push the hoary old theory of pot growers as peaceful. The truth is pot growers are responsible for a great deal of violence. It's time to drop the mythology and treat the drug situation with realism.

—F.N.

San Francisco, CA

MORT MARSHALL

Okay, I've finally figured out what James Marshall is. He's a Mort Downey-type critic who thrives on hate mail! I just read his Buck Owens review. I'll agree that Buck deserves a lot of credit, but why the assault on Merle Haggard? I've been playing in dives and honky-tonks for the

LETTERS

Send your gripes, questions, personal thoughts, and occasional compliments to: HIGH TIMES "Letters," 211 East 43rd Street, NYC 10017. Unless otherwise indicated, proper names are printed with initials only to protect the innocent, so sign your favorite pseudonym. And use a phony return address.

last 14 years, and the "hog" has always stayed at the top of my list. So fuck Marshall! I know your game now!!!

—Papa Drew
Worthington, KY

I hate to be just another reader bitching about James Marshall, but he really is the worst part of your magazine (by far). I consistently find myself getting angry (increased heartbeat, clenched fists, etc.) every time I read his column. He likes to make people mad and he likes hate mail. He's not the kind of person I would like to talk to or be friends with. I don't even want to read his writing.

—Al (American Farmer)
South Suburban, IL

P.S. The only reason I regret writing this is because it probably makes J.M. happy. I would be interested in knowing who on the H.T. staff likes Marshall.

BIG BEAL

I really enjoyed John Holmstrom's interview with Dana Beal on Ibogaine (Sept. '88). Being a detoxing heroin addict, it sounds like a miracle cure. Thanks

—E.B.
Middletown, CT

I found the Dana Beal interview quite interesting. However consider his closing statement: "If you look at the effects of getting drunk versus getting high on pot on your ability to drive home, you see pot is the safest drug there is." Couldn't this be construed to mean it's okay to smoke pot and drive? Marijuana is a mind-altering drug and does nothing to enhance one's ability to drive. I urge you to discourage anyone from using any mind-altering drug (including alcohol) and driving. I think advertisements along this line would be a true public service.

—Hank
Kingston, NY

INFO PLEASE

I was wondering if you could turn me on to some information. The American

Indians and Rastafarians use peyote and ganja in a religious setting. I would like the names of some attorneys who have been actively involved in defending these religious groups against unwarranted government harassment. Specifically, my interests are in growing and storing mushrooms, peyote, and ganja for ceremonial use.

—Ammond Shadowcraft
Colorado Springs, Colorado

Is there an attorney in the house?

GO TO CHINA!

I have been reading your rag for years now and must say I have enjoyed every issue. But your August '88 issue really pissed me off. Tell Serenus to take his Mao Tse Tung doctrine and shove it. If you people think that communism is the answer—go to China! Tell Joe Bartos to go fuck himself. I'm a conservative and I smoke pot. I live in a wheelchair thanks to the good Chairman Mao. Because without him we never would have had a Korean War. What would happen if everyone, everywhere, at a certain time, walked outside their homes and lit a joint? Think BIG, people. Be proud of the USA and what it stands for. Never give up.

—Dangerous Dan
Charleston, SC

Dan's got a good idea. How about a national smoke-in next fall?

What sort of leadership do you have down there? I can easily see the Attorney General claiming the August '88 cover is proof HIGH TIMES is run by commies. I'm a Marine Corps veteran. My headgear shows an eagle, globe and anchor, not a red commie star. Sell that shit to the Viet Cong, son, I'm not buying. Are you all good party members or what? Either you are communists, you are being manipulated by organized crime, or you are just plain stupid. I don't need it.

—Jambox
Atlanta, GA

THE BEST OF HIGH TIMES

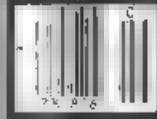
SPECIAL CULTIVATION ISSUE

Vol. VI

\$4.95

Our new Best-of HIGH TIMES with all those great mindbending articles of the past three years you may have missed: Inside Cannabis Castle, Sea of Green, High Tech Lights, and Secrets from S.S.C. This 108-page, perfect bound, collectors' edition also includes our most hilarious true story (The Acid Apocalypse); and a chilling tale of a cop gone psycho (The Sank City Shooting).

Plus two bonus features never before published: Ruderalis, Friend or Foe (a controversial must-read for every grower in America) and How to Grow 'Shrooms by Stephen Peele.



Inside Cannabis Castle • Sea of Green • High Tech Lights
• Secrets from S.S.C.
PLUS • Bonus articles never before published:
• How to Grow 'Shrooms Indoors, and
• Ruderalis, Friend or Foe?

CALL TOLL FREE FOR ORDERS ONLY

800-435-0715



In Ill. 800-892-0753



Payment enclosed
 MasterCard Visa

UNITED STATES

1 YEAR \$29.95
 2 YEARS \$54.95

BEST OF HIGH TIMES VOL. VI, \$4.95

CANADA & FOREIGN

1 YEAR \$37.45
 2 YEARS \$68.95

HIGH TIMES

SUBSCRIPTIONS
P.O. BOX 410
MT MORRIS, IL 61054

Card # _____

Name _____

Expiration date _____

Address _____

Signature _____

City _____ State _____ Zip _____

PLEASE PAY IN U.S. FUNDS—ALLOW 6-8 WEEKS FOR DELIVERY.

PHOENIX IRON

CULTURAL TECHNOLOGY

Industries. My master's thesis was gained through this research and my herbaceous plant from mint and basil.

radio generate the world's most extensive, nonacademic assembled the most extensive, scientific bibliography ever created. laboratory at a major university while under federal license, and designed laboratory grade growing chamber in the world called "the HOT GTRON Growing Chamber" by spontaneous.

I presented to the public a piece of paraphernalia intended to be unlawful marijuana. The system was designed to break any plant. The private cultivation of marijuana has been illegal under numerous state and federal laws since 1937. Marijuana can only legally be grown with a federal license. I worked under such a license at the time I was engaged with Pyroponic Industries. Pyroponic Industries will never knowingly sell products to anyone who plans to produce illicit substances.

• to research indoor plant growing techniques and hydroponic system before the Phototron has been imported to Hawaii. In a confined area, I suggest that we can have you re-create the re-creation of Hawaii, you can do no better than Bell's results.

will grow the plant six (6) to nine (9) six (6) inch internodal length, (the g sites). That will produce a fruit a plant equal to only ten percent (%) of the plant material is unused off after harvest in preparation.

ly thing I am waiting nine (9) months, two, I don't want a tree growing there, I am not going to pay the electricity to produce the sun. That is why I made a decision. The Photonon measures only 18 inches wide. Its potential is deceptively simple. The simplicity of functional design and

tron draws only \$4.00 per month
you will grow six (6) plants, three
days, while maintaining a one
gth. I guarantee that in your
ix plants will produce over one
sites from top to 6 cm. Mine is
world which will allow you to
some plants ever forty-five (45)
the system ever day. Beginning
mination an ave age of six (6) to
material, such as tobacco can be
days.

The technical sounding nature of
u away. I personally service bac'
nit sold. The instructions are cle
n comes to you complete. All v
seeds, plug in the system and w
u have any questions, you ma'
question. Get your answer.
' my Phototron. I do not alk
below showcase. I persona
ron ever sold and I have n
I'm not starting now.
BUDS. If you do not le
ian you have ever learn
il. Can you afford not

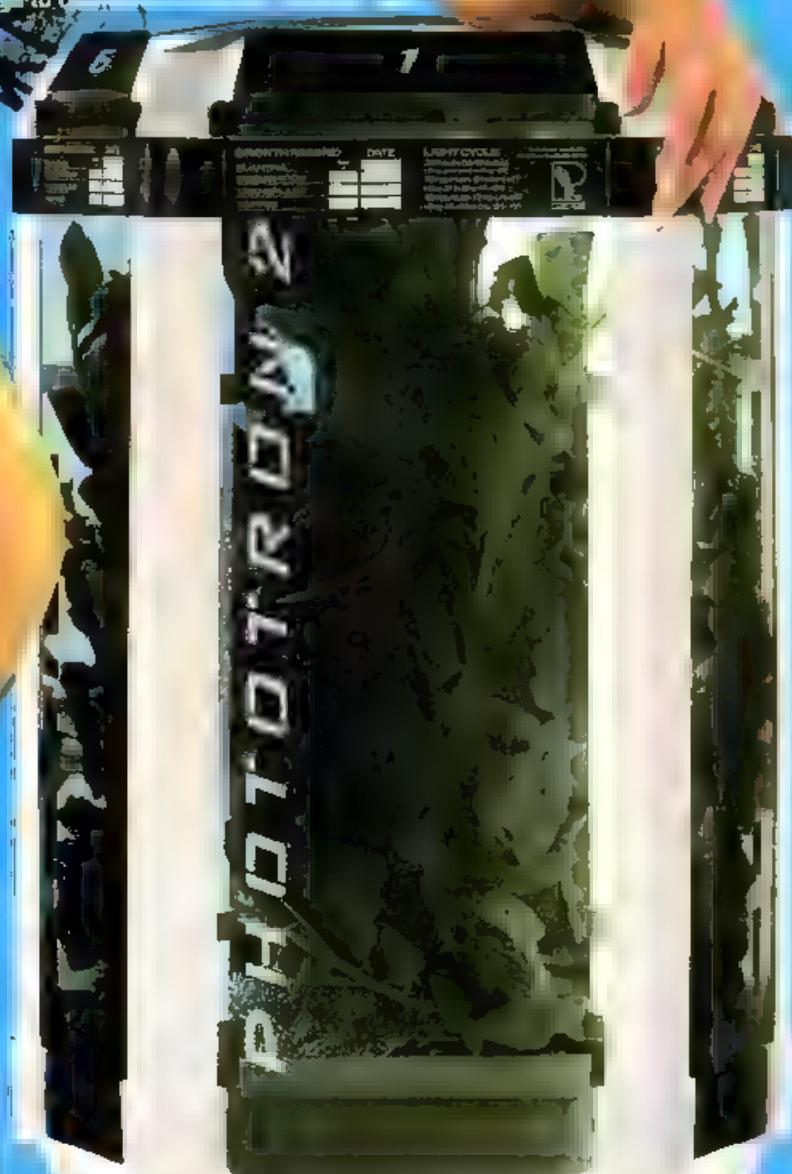
Jeffrey Julian

PHOTOTRON	NONE	12	TEN						
HALIDE SYSTEM	None	I	HO						
LIGHT	LEAF SHADING LIVED FEET OF LIGHT SPECTRUM ADJUSTMENT								
	CONVERTER DESIGNED FOR EACH SYSTEM								
NUTRIENTS	GUARANTEED FRESH SEA WATER DELIVERED TO THE PLANTS ONE EACH DAILY ONE EACH DAILY NO FLOWERS AND NO WORMS NO FLOWERS AND NO WORMS TOTALLY SELF-SUFFICIENT TO LEAVE SATURATION								
CO ₂	SERVICE 100% LINE FOR CARBON DIOXIDE								
SERVICE									

PYRAPONIC INDUSTRIES INTERNATIONAL, LTD.
P.O. BOX 1071 MELROSE PARK IL 60160, USA

Based on 12 HO Ballast system and no hydroponic growing plants hydroponically is
the best way to grow plants.

1-312-544-B-U-D-S



USDA TOBACCO

**AS SEEN ON THE BBC'S
TOMORROW'S WORLD**

AS OF DECEMBER 1st CALL 1-619-451-BUDS

GROWTH PATTERN OF CUCUMBERS GROWN PYRAPONIMETRICALLY



Typical testing pattern by Pyraponic Laboratories depicting the morphological differences of cucumbers grown under identical conditions except one nutrient level.



Plants nearing top of Phototron in less than 30 days.



Plants filling the Phototron in less than 45 days



Tremendous flowering and fruiting less than an inch apart.



Normal fruit with a reduced root-to-shoot ratio

GROWTH PATTERN OF TOMATOES GROWN PYRAPONIMETRICALLY



Young tomato plants in vegetative stage



Young tomato plants beginning to flower and fruit



Fruiting less than an inch apart



Burpee Prize Tomatoes

Normal fruit development with a reduced root-to-shoot ratio



140 tomatoes harvested from 4 Phototrons in 150 days from seed germination

SNAPDRAGONS GROWN PYRAPONIMETRICALLY



Day 46. Phototron jammed with flowering snapdragons



Day 58. Flower with reduced root-to-shoot ratio.

GROWTH PATTERNS OF ROOT SYSTEMS



Complete root system on the stem structures of flowering marigolds.



Pattern depicting the morphological difference of root system.



Mycorrhizal inoculated root system in base of unit on day 45

HERBS, VEGETABLES AND FLOWERS GROWN PYRAPONIMETRICALLY



Day 65. Herb garden of Parsley, Sage, Basil, Thyme and Chive



The hottest jalapeño pepper grown anywhere in the world.



Corn development under high light intensity of Phototron.



Normal salvia still flower after more than 1 year old.



Normal marigold size produced with reduced root-to-shoot ratio

No. 160



Dec. '88

HIGHWITNESS NEWS



Steve Hager

MADTOWN!! 15,000 ATTEND POT PROTEST

One of the biggest crowds in the history of the marijuana protest movement turned out for the Great Midwest Marijuana Harvest Festival in Madison, Wisconsin on September 24, 1988. Although the local media downplayed the event, claiming only 7,500 people showed up, official police estimates put the number at a more believable 15,000. While many were locals, potsmokers came from as far as

England and Australia to attend the biggest marijuana event of the year. Last year's record crowd was estimated at 10,000.

Although most who attended the event were there to get high and have a good time, many participants made it clear they were protesting pot prohibition, especially the Omnibus Drug Law and its \$10,000 fine.

The demonstration began with a rally held on the University of Wisconsin-Madison Library Mall, and featured speeches by NORML National Director Jon Gettman, "Ask" Ed Rosenthal, Tom Alexander of *Sinsemilla Tips*, Safe Drugs activist Dana Beal, Jack Herer, author of *The Emperor Wears No Clothes*, and Harvest Festival organizer Ben Masel. After speeches, music by three rock bands, and countless joints, the crowd illegally marched on the State Capitol, where hundreds of protesters joined the rally. There, an impromptu demonstration of sign-waving, more pot-smoking, and chanting slogans took place for hours, while twelve uniformed police kept watch.

Twenty people received citations, most of them for underage drinking before the march took place on the State Capitol grounds. Read next month's HIGH TIMES for a more detailed account of the event, and a full report on the 1989 pot protest scene. —John Holmstrom

ACTIVIST ALERT: CONGRESS IN UNCONTROLLABLE DRUG FRENZY!

Though it might become a moot point by the time you guys get to read this (post-election day), an antidrug-crazed congress is at this writing making a very public show about bailing through a thoroughly obnoxious piece of legislation demurely called The Omnibus Antidrug Bill. To call it unconstitutional would be doing it a disservice—kinda like labeling Adolf Hitler a little tough on minorities.

What this is about, simply, is election year politics. Congress-swine of every political persuasion, and from every corner of this drug-dependent land of ours, have realized that a steel-rigid hard-on against The Great Drug Menace is the greatest piece of self-aggrandizing campaign posturing to come along in years. Just sit back and watch these simpering dinkbags go at it, railing righteously against the vicious Drug Kingpins of those mysterious Cartels (pick your favorite Colombian city) who are Killing Our Youth and Castrating Our Future! And now, here's a bill for them to get behind, to stand up, vote, and show how se-

rious and committed to the antidrug crusade they really are.

The House of Reprehensibles passed their version of this scurrilous shit on September 22. The Senate is still dithering with theirs, and you can be sure it'll come up for a vote before November 8. Once that happens, it's anybody's guess what'll come next. A Joint Senate-House committee will have to consolidate the two versions before it's passed on to the Big Guy for his signature, you can be sure that if Reagan's still there, he'll not hesitate to scribble on it. Ditto for Bush if he's in the Oval Office at the time, and probably also for the Greek Guy as well (Ron Paul would undoubtedly shoot the messenger). If that goes down, there's no way the US can ever again pretend to be a country as free as its own Constitution guarantees (a situation analogous to the USSR).

Briefly, what this legislation promises is an unprecedented crackdown on all users of all "illegal" drugs. All those convicted of simple possession would face

suspension of drivers licenses (states that don't follow this line will have their federal highway funds hacked), denial of public housing (eviction if they're already there), student loans and grants, and most other forms of US government assistance. The bill also tosses money around for numerous antidrug police actions, but provides little for educational or rehabilitative programs. But by far the worst aspect of the bill is the provision for okaying illegal searches for and seizures of contraband, and the admission of such evidence into court—if the cop doing the shakedown has "an honest belief that he will find drugs." Huh? This stunning bit of police-state business invests the cop on the street with powers previously only granted judges: making a determination on the legality of a search. So much for the Constitution.

One hopes that once election fever has passed, these dim bulbs will brighten up and realize what they're about to perpetrate. Several have already expressed doubts (NJ Rep. William J. Hughes said the bill has clauses of "dubious constitutionality"—but voted for it anyway), and perhaps with a barrage of rational, responsible hate-mail from you guys out there, they'll back off. Get those cards and letters out, boys and girls!

—LS

A FIELD GUIDE TO NORTH AMERICAN CONSERVATIVES

BY JOE BARTOS

The Narrow Minded Bible Thumper

religious extremis

Bible Thumpers are among the most common of conservatives. They can often be seen burning books, bombing abortion clinics, or entering homes across America lecturing about the evils of heavy metal records, R-rated movies, and malted beverages.

Bible Thumpers are noted for their fierce resistance to contemporary trends such as scientific inquiry, civil rights, and dancing with members of the opposite sex.

Their range has been curtailed somewhat by an extreme aversion to sexual intercourse. Ministers with TV shows are an exception, and can be aroused by large cash contributions or church secretaries ready and willing to receive God's love.



ONE MAN'S DOPE

JUST SAY NO, THERE'S NO MORE MONEY

by Dean Latimer

It began as image-scrubbing for Nancy Reagan, then became a foundation sucking on the federal-funding teat, and finally ended up as a Procter & Gamble merchandising scam...

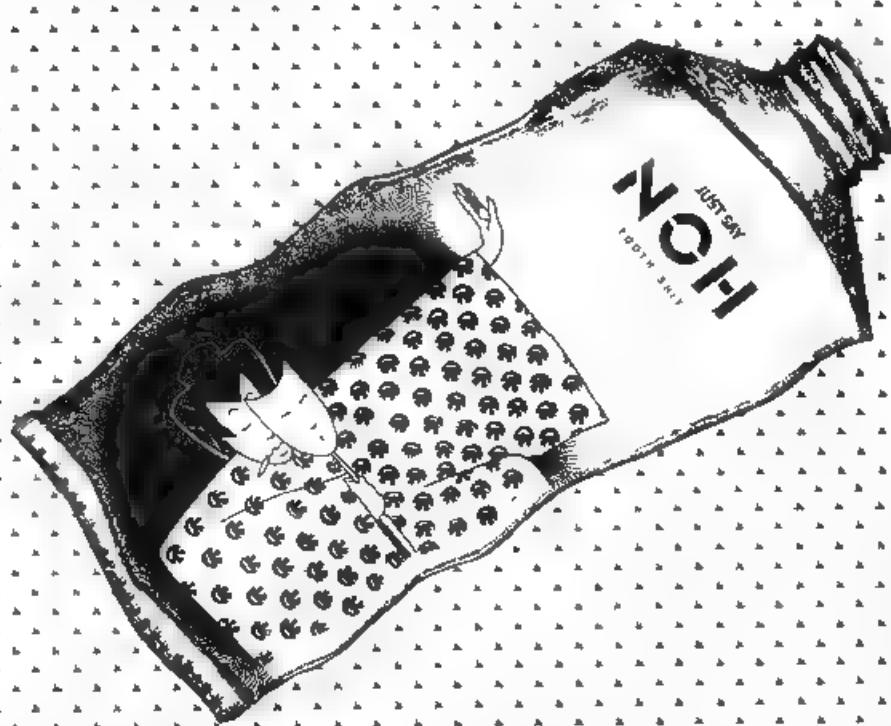


eventually be selected to serve as a parade marshal at the historic Just Say No Walk in Washington next spring. Winners will receive round-trip transportation to Washington from the Walk's sponsors, Procter & Gamble, plus two nights in a DC hotel, and one hundred dollars in spending change.

All things considered, American school-children in the late '80s stand to benefit substantially more from Procter & Gamble's gala Back-to-School Pledge Drive than any of their parents ever got from the anti-communist loyalty-oath orgies of the McCarthy Era. Besides a long shot at a some-expenses-paid weekend in beautiful downtown Washington next spring, each of their parents will receive from Procter & Gamble a chance to clean up on purchases of Oxydol detergent, Downy fabric softener, Pure Tan oil, Luvs diapers, Folger's coffee, and Duncan Hines desserts. Discount coupons for all this Procter & Gamble household garbage are included in the mass-mailing. P&G is sending out to households everywhere, along with copies of the oath, the contest rules, and the First Lady's photograph and signature, in envelopes bearing the letterhead logo of the Just Say No Foundation, Inc., of Walnut Creek, California.

JUST SAY WHAT, M'MAN?

The brief but bumptious history of the Just Say No Foundation, from its high-hopes inception in 1985 to its hostile takeover by Procter & Gamble this year, provides a pretty apt example of what has transpired with all the putatively "anti-drug" grassroots lobbying outfits that latched onto the federal teat during the great Reagan-era War on Drugs media binge. "Just say no", of course, was the only safe slogan the advisers of Nancy Reagan could ever think up for her to preach, when they endeavored to soften her icy-white Republican empress public image by trotting her out before assemblies of ghetto children during top-visibility War on Drugs whistle-stop tours. After she'd been doing that for a few seasons, inevitably



As the 1988-89 school-term began this fall, children all across America were offered an experience in education unparalleled since the 1950s: the opportunity to publicly demonstrate their precocious commitment to correct thinking and upright behavior by signing loyalty oaths.

"I pledge to lead a drug-free life," goes the 1988 version of the loyalty oath, to be sworn by millions of children aged eight to sixteen. "I want to be

happy and healthy. I will say no to harmful drugs." Children everywhere are being encouraged to memorize the oath long enough to scrawl it down onto a piece of paper, sign their names to it, and send it to Nancy Reagan, Honorary Chairperson of the Just Say No Foundation, Inc., at the Foundation's Washington DC post office box. Children may send as many copies of the pledge as they wish to Nancy, though only one lucky oathtaker from each state will

it occurred to a bona-fide drug-treatment professional that maybe this "just say no" notion could be parlayed into a workable scheme of drug-abuse prevention for school kids—or at least into a seven-figure grant from the National Institute on Drug Abuse (NIDA).

This bona-fide drug-treatment professional was Tom Adams, before 1985 a director of the NIDA-funded Pyramid Project, which had earlier actually done some fairly respectable organizing work for NIDA. In 1985, though, with 90% funding by federal tax money (mainly from NIDA, through a cutout company in Vienna, Virginia, called the Pacific Institute for Research and Evaluation), Tom Adams started up his visionary Just Say No Foundation, Inc., with a handsome multi-million-dollar budget.

The theoretical underpinnings of the Foundation's "drug-prevention" strategies were never very clearly or

House Select Committee on Narcotics Abuse and Control assigned the General Accounting Office (GAO) to investigate why it was, exactly, that none of these illustrious antidrug outfits could ever seem to vanquish their pathetic dependency on federal tax money.

The GAO report, issued in February 1988, observed that some of Just Say No's techniques were clearly adapted from several recognized antismoking attitude-modification strategies which had been seen to work effectively, on a broad social scale, since the mid-'70s. "The Just Say No program itself, however, has never been subjected to rigorous evaluation," the investigators regrettably reported. They spoke of concern within the Department of Health and Human Services that these antismoking strategies "may not transfer to the drug area" very readily, and cited HHS predictions that "the strategy will not produce enduring results beyond the short term." Finally, with truly

The degeneration of the Just Say No Foundation's noble-minded do-gooder mission, delirious as it was from the start, into a venal toothpaste-promotion caper by Procter & Gamble was inevitable from the first day in 1986 that Tom Adams hit up P&G for donations. When the canny P&G sales-promotion people realized that they could identify the company's household products with the President's fantastically popular wife, merely by mass-mailing out their discount coupons and other promotional trash with Nancy's Just Say No evangelistic literature, and reach soap-consuming households everywhere, they bought into the Foundation aggressively.

P&G bought into Tom Adams' tiny do-gooder outfit so big that by early 1987 they were bossing him around, and none too respectfully. "While we are excited at the opportunity to teach kids to stay drug free," P&G promo hack Paula Goldman sharply cautioned Adams in a memo she sent him on 23 March that year, "we remind you that our primary objective is to build the business. Our JUST SAY NO pledge campaign will only work for JUST SAY NO if P&G sales and P&G customers become excited at the opportunity to get involved and help!" [Exclamation point in original.]

Adams had been impolitic enough to offer the use of Nancy Reagan's "Just Say No" *imprimatur* to other corporations in the household-garbage field, so P&G was putting its foot down. "The Foundation," decreed Goldman, "must continue to eliminate 'competitive' JUST SAY NO activity like Hill's Mr. Big paper towels, and do everything to minimize the presence of the already-planned 'Ziplock' sandwich bag promotion . . ."

Thus chastened, Tom Adams discontinued contracting Nancy Reagan's promotional prestige out to P&G's competitors. Since P&G was paying the Foundation a miserable \$150,000 for the exclusive rights to the Just Say No insignia, this is a tacit illustration of how much ardor those other corporations could work up for the glorious War on Drugs of the 1980s in its most passionate heyday.

Once P&G's publicity mavens got onto it, though, they rode the Just Say No hobbyhorse plumb ragged. When their 1987 Back-to-School Pledge Drive piled up nearly two million signed children's pledges in the "Nancy Reagan" post office box, P&G resolved to physically drag the First Lady herself into the 1988 promotion. Last March they directed the Foundation's Ivy Cohen to draft a letter which Nancy could sign, which would circulate to school superintendents

continued on page 29

"The degeneration of the Just Say No Foundation's do-gooder mission into a venal toothpaste-promotion caper was inevitable...."

systematically articulated in print by Adams. Using mailing lists garnered from various other "Parents Power" antidope outfits that were enjoying federal funding, Adams managed to contact enough drug-troubled households around the country to set up no less than 1500 "Just Say No Clubs." Children in these "clubs" were encouraged to sign written oaths to abstain from drug-taking and other objectionable behaviors, following a dubious theoretical scheme called "contractual therapy", practiced by drug-treatment quacks from coast to coast. The unfortunate children in these troubled households were further indoctrinated through the Foundation's "Three Steps to Say No"—a sawed-off adaptation of the infamous Twelve Steps of Alcoholics Anonymous, but pointedly abandoning AA's crucial religious-conversion Step, in order to keep federal money flowing in.

But the federal money to the Just Say No Foundation was automatically reduced every fiscal year after 1985 anyhow, since the initial NIDA/Pacific Institute windfall had been clearly marked as "start-up" cash. By 1987, when the Foundation was assailing the government with frantic sob stories of its extreme impoverishment (along with every single other Parents-Power nuttatch the Reaganauts had started up), Congressman Charles Rangel of the

pulverizing discreetness, the GAO concluded. "The strategy may not have applicability to all segments of the population, since the research to date has been restricted to white, middle-class populations."

TOOTHPASTE VIRTUELLISI

But if the ministrations of Tom Adams' original Just Say No Foundation were largely directed toward middle-class suburban white brats, the reformulated target envisioned by the new proprietors—Procter & Gamble—is more like a comic-strip caricature of Little Lord Fauntleroy. Millions of schoolchildren across the country will be signing pledge cards to just say NO! to harmful drugs," exuberates a P&G promotion for the great Back-to-School Pledge Drive of 1986. (In P&G's flack literature, the adjective "harmful" always precedes the noun "drugs", obviously so as to distinguish pot, crack, junk, etc., from the innumerable helpful drugs on the national household garbage market, like Empirin and NoDoz.) P&G's 1988 Back-to-School oath-signing binge is to be accompanied by "organized school rallies and Pledge Drive events in cities across the country" all in a somewhat intricate campaign to peer-pressure schoolkids into embracing the notion that publicly signing loyalty oaths is a positive and liberating gesture.

* If anybody knows how to lay hold of a "Just Say No" Ziplock could they please send me one? I will treasure it forever and ever. DAL

HIGH in the EYE!

An eyewitness account of the devastation of Hurricane Gilbert

by Chef Ra

ANDRE GROSSMANN



Negril, Jamaica, September 13th, 1988.

When HIGH TIMES Editor-in-Chief Steve Hager asked me to lead a tour of Jamaica in September, I told him exactly what I thought of the idea.

"That's hurricane season, mon! Let's go in December after the harvest comes in!"

"Naw," he explained. "We need something for the December issue. Aside from the Grateful Dead issue, your face on the cover of HIGH TIMES sold better than anything else last year, so the publisher wants you on the cover again. Our lead time is four months, so we gotta go in early September."

Up until the day we left, I kept a close watch on the weather situation. Cable News Network was running hourly reports on tropical depressions in the Caribbean. A storm was building over warm waters in the Atlantic. On September 2nd, the day before we left, the depression abruptly dissipated. Things weren't ready to happen—yet.

It rained briefly on Saturday, September 3rd, the day we landed in Montego Bay. The weather for the following week was perfect: sunny skies, gentle winds, calm seas. On Friday, I ran into an American tourist on the beach.

"There's a hurricane coming," she told me. "Looks like it's going to hit after the

weekend."

Since we were scheduled to fly out Tuesday, I prayed for a delay in the storm. But the local residents didn't seem too worried, so why should I care? No one was boarding up windows or anything. Negril is for partying, not worrying. I just forgot about the warning.

On Monday, September 12th, I woke up around 10 AM. It was misting outside. Strange low-flying clouds were pouring out of the eastern horizon and heading west with ominous speed. I turned on the radio just in time to hear the words "Hurricane Gilbert."

The storm was expected to hit the other side of the island sometime during the day. "Whew!" I thought. "Surely, the mountains between Kingston and Negril would have a calming influence by the time Gilbert reached me." My self-confidence was greatly shaken, however, when I turned on my light switch. In preparation for the storm, the power for the entire island had been shut off.

After breakfast, the HIGH TIMES contingent held a brief meeting. Since we were split up at two resorts—Summerset Village and Xtabi—there was considerable debate over what to do and where to go. I insisted we needed to head into town to pick up supplies. So we piled into our

rent-a-wreck and drove to the Fisherman's Club. However as soon as I pulled out of the driveway at Xtabi, the rain started to pour.

As we rounded a curve close to the ocean, the car was battered by a heavy gust of wind.

"Turn back, turn back," said Steve. "The hurricane's comin'."

"No problem, chief," I replied. "This is Rambo time Charge!"

Andre Grossmann began beating my shoulder with a stick while jumping up and down in the back seat. Steve grabbed the stick and threw it out the window. After the wind hit 50 miles per hour—and a few banana trees alongside the road blew over—everyone began yelling and screaming.

We pulled into Fisherman's to discover the place being boarded up. Fortunately, they were still open. We stocked up on food, candies, and cold drinks. News reports over the radio urged everyone to take shelter immediately, as the storm was expected to hit Kingston at any moment.

"Our rooms at Xtabi are right on the ocean," said Steve. "I don't want to get hit by the tidal wave. Let's go to the thatch house at Summerset!"

"Stop the car!" yelled Andre. "I'm not going to Summerset unless my cameras come with me!"

"Forget the cameras, this is a hurricane!"

"Halt! I will not desert my equipment!"

I drove to Xtabi, parked and waited 20 minutes for Andre and Steve to collect 200 pounds of camera gear and load it in the car.

On the drive to Summerset, I wondered how our British roommates—who were sharing the 4-bedroom house with us—would react to the arrival of the entire HIGH TIMES crew.

You see, Paul Rudolf, Dr Quality, and I were sharing the thatch house with some really nice blokes from England who drank all day but had never smoked a joint in their lives. So far, our paths had barely crossed.

We arrived at the thatch house to find no one home. I checked the bar and found all the Brits hanging out drinking—all 30 of them. Everyone seemed in great spirits.

"Oh boy," said an Englishman. "We get to see a real hurricane!"

I went back to the thatch house, smoked a joint and watched everyone carefully stash their belongings in Paul's room. The rain stopped and everyone grew bored. Dr Quality fell asleep.

"Let's go down to the water and check out the hurricane surf," said Steve, who seemed to be alternating between intense fear and equally intense curiosity.

We rolled a few spliffs for the ride, piled into the rent-a-wreck, and drove to the cliffs overlooking the ocean.

continued on page 40

THE UNITED STATES: OUTLAW NATION



THE IMPORTANCE OF BEING EARNEST: TOWARD A REAL FOREIGN POLICY

AP/WIDEWORLD PHOTOS



HEIL AUGUSTO! Chile's Pinochet (flanked by torpedoes) waves bye-bye to the Presidential Palace (we hope).

by Ed Rosenthal

The United States has been floundering in the foreign policy sea for the last 25 years. This column is far too short to allow the listing of very many of this country's foreign policy faux pas and disasters, but a short list would have to include the Vietnamese War, support of the Shah of Iran, the sending of troops to Lebanon, the Pinochet coup in Chile, support of the fascist colonels in Greece, and backing Marcos in the Philippines.

A few common threads run through all of these blunders:

Decisions were based on erroneous information

A small right-wing clique entrenched in the State Department and the Pentagon was responsible for calling the shots.

In each case, the policy makers supported dictators, rather than the popular sentiment of the people.

Each incident left the US sitting in the slime.

US foreign policy is made with little consideration towards the wishes of either American citizens or citizens of the lands that it plans to mess with. Instead, special interest groups control the government's actions. These groups, usually corporations which do business with the affected countries, are not interested in the big picture, just their own narrow self-interest.

The two most overt examples of this were the coups directed by the US against the democratically-elected governments of Chile and Greece.

Chile had a long history of democratic process, which is unusual in Latin America. In 1970 a left-leaning reformer, Salvador Allende, was elected. Within months, the US started undermining his government. It began by interfering with the nation's economy, and secretly channelling funds to groups opposed to Allende. Finally, it explicitly supported the actions of a small fascist military clique which eventually led a bloody coup against the government. A Chilean Army General, Augusto Pinochet, soon took control, and the country has been under his thumb ever since.

The democratically-elected Allende was attacked by the US because he planned to nationalize some industries controlled by American corporations. One of them, International Telephone and Telegraph (ITT) had links with the CIA, and helped them to funnel US government funds to the violent opposition.

Since Pinochet took over, Chile has suffered greatly. The first thing the US-backed regime did was round up everyone suspected of being a "subversive"—a catch-all classification that included political activists, community organizers, labor and student leaders, and social workers. For months they were kept in a large stadium and systematically in-

terrogated, tortured, and sometimes killed. Many others were "disappeared". As a result, the country suffered a mass exodus of intellectuals and professionals, who were either afraid of or opposed to the new regime. The Chilean economy went into such a steep decline that it has only recently reached pre-Pinochet levels of production. The standard of living still has not recovered.

Spawned by the US, General Pinochet is one of the world's worst criminals—in the same league with Pol Pot of Cambodia and Idi Amin of Uganda. He is directly responsible for the death and torture of thousands, and the wrecking of the country's entire infrastructure. He is a perfect example of how US policy messes up due to its control by special, anti-democratic business interests.

Eventually Pinochet will be gone*, and what happened in Greece will probably happen in Chile. In 1967 the US supported the overthrow of a democratically-elected government whose policies the US disliked. By 1974 the government of the colonels had collapsed and its leaders were put in jail. Still, the Greeks have had a hard time forgetting the horrors they endured because of the US.

Today, the United States faces hostility from a number of nations that it has dominated in the past for its own special interests. Iran is considered a "kook" nation, governed by a zealot. But it is a strategically located country, bordering the Soviet Union with a population of over 40,000,000. For years, the Shah, an associate of the CIA, (which had overthrown his democratically-elected predecessor, Premier Mohammed Mossadegh) drained the country financially and disregarded any pretense of citizen participation in government. As a result, the US is regarded as the "devil incarnate" by the fundamentalist population.

For fifty years, Nicaragua suffered under rule by generations of the Somoza family. Somoza was so venal that he owned blood donor banks in Nicaragua for export to the US—he was literally selling his people's blood! Now the US acts as if the Sandinista government is composed of crazed Commie fanatics. Yet it is the closest thing to a freely-elected government the Nicaraguans have had in decades. Without a doubt, the Nicaraguan people will consider the US an enemy for many years.

The United States must reverse its disastrous foreign policy. Instead of developing close relationships with unpopular, dictatorial regimes, it should encourage democracies. Southwest Asia would be a good place to start.

India and Pakistan are "rival" coun-

*Perhaps sooner than we might think. Years of economic turmoil and widespread public unrest have forced the aging General to call for elections, albeit only a yes-no plebiscite.

ZERO TOLERANCE BOMBS OUT IN EVIL EMPIRE

by Dean Latimer

tries, both of which gained independence from Great Britain in 1948. Since that time, India has had a succession of democratically-elected governments while Pakistan has been ruled by one dictator after another. The last one, General Zia, a megalomaniac, was recently killed with the American ambassador in a mysterious airplane explosion. Zia had overthrown and executed the previous dictator, Bhutto, who had been elected as a result of rigged elections. No matter—the US has been friendly with all Pakistani dictators. These men were willing to go along with US foreign policy programs in return for massive aid, much of which was diverted to their personal use. Democratic India, which has preferred to go its own "non-aligned" way, has been viewed with suspicion and hostility by most US administrations.

By tilting towards dictatorships the US may gain a few concessions in the short run, but ultimately, allying with unpopular despots causes far greater problems. When the dictator is replaced or overthrown the people's rage is invariably directed at the US.

The US also has an unreliable intelligence network. Intelligence services such as the CIA and National Security Agency (NSA) are responsible for both gathering information and taking action, which is like being both jury and prosecutor. It is hard to stay unbiased when you are actively involved in a situation. Iran is a perfect example: the CIA had such a close working relationship with SAVAK (the Iranian secret police), that US agents were the last to know that the Shah was about to fall. CIA agents were reporting on a crisis in which they were players. Their reports put everything, especially their own efforts, in the best light possible rather than portraying the reality of the situation. Since CIA agents tend to be very right-wing, even their "objective" intelligence has an ideological slant that makes it unreliable.

Government relations are like relations between individuals in many ways. A person who has a lot of enemies has problems. It is harder to do business, so the person is hurt economically. Should the person require help in an emergency, it is not necessarily there, and worst, enemies may all gang up when the person is weak. The more enemies the US makes, the harder it will be for it to get along in a competitive economic environment.

The world order is changing. During the heyday of the American empire, the US could bully its way around, but it no longer has the power to make all the rules. Instead, its relations with other countries must be based on mutual respect. Making deals with dictators is a poor substitute for developing relationships with governments that represent the genuine aspirations of their people. •

The latest subversive street joke in Moscow involves a bluecollar *Muzhik* factory worker who gets so fed up after hours of standing in line before a state liquor store in a blizzard that he stalks off, swearing to assassinate Comrade Mikhail Gorbachev. A few hours later he appears again, disgusted and dejected, and falls back in the end of the liquor line. The line to murder Comrade Misha, he says, is even longer than the liquor line.

Street talk about assassinating Soviet strongmen is not taken lightly in the Evil Empire. As a result of disgusted popular stories like this, and some bleak talk from Soviet economists, the Politburo is moving rather swiftly now to relax all the ferocious legal disincentives that were placed on alcohol consumption in 1985, when the messianically teetotalling Gorbachev took over the Central Committee. Taverns that were closed down then are reopening now, giving overjoyed Muscovites somewhere to go in the dreary Arctic evenings. Suddenly grocery stores are allowed to sell wine and champagne and beer again, and so the health of Comrade Misha is being toasted with enthusiastic Russian sentimentality in households everywhere. It is even confidently expected that sugar stores, which have been atrociously sparse over the last three years of colossal moonshining, will stock up to overflowing in a couple months, when the Cuban harvest comes in.

For three years now, all the official organs of state propaganda in the Soviet Union have been engaging in a tremendous campaign against intoxication, following Gorbachev's ultra-righteous "zero tolerance" line (he actually coined the term in 1985, long before it was taken up by American antidrug crusaders). The propaganda against drug consumption has been particularly fierce and hilarious. In 1986, a Party-sponsored hack for *Komsomolskaya Pravda*, the so-called youth paper, spoke in hushed tones of inspecting a poppy field near Kiev and finding it littered with used syringes—as if drug addicts were somehow going out to poppyfields all over Russia, collecting the opium from the buds, extracting morphine out of it and acetyliating it into heroin, fixing it up, and leaving their works behind to infect blue-eyed Soviet children with AIDS.

The anti-alcohol campaign, though, has been less than amusing to even the most long-suffering Russians. The extravagant state-determined price of legal liquor is bad enough—ten rubles (over \$16 US) for a meager half-liter of legal

vodka. But the Politburo-imposed scarcity of liquor stores makes necessary waits of up to four to six hours, in the hideous Russian weather, and of course the people waiting in these lines are continuously jeered and heckled by self-righteous political toadies doing their part for Comrade Misha's grand anti-intoxication drive. Before this current reversal of the zero-tolerance propaganda, all the papers were full of jubilation about the conspicuous drop in public-intoxication arrests, alcohol-related illnesses, workplace absenteeism, and so on—figures that were undoubtedly cooked up by the reporters for Gorbachev's appreciation.

Now that the wind out of the Politburo has shifted sharply back toward toleration, *Moscow News* is openly explaining how the anti-intoxication drive only succeeded in creating a tremendous windfall of profits for bathtub distillers of *samogon* moonshine liquor, to which all the millions of serious Russian boozers were compelled to resort. This had the effect of creating a historic sugar shortage, as moonshiners bought up everything from refined cane sugar to candy bars and bon-bons for their *samogon*. It is also being revealed now that the figures for health problems related to solvent-sniffing and shoepolish-drinking have skyrocketed since 1985.

Party-sponsored poet Yevgeny Yevtushenko is publicly credited with spearheading the drive against zero-tolerance, after his public comment last fall "The first harsh anti-alcoholism measures came as positive shock therapy. But you can't have daily shock therapy. The society's nervous system will collapse."

In all truth, though, Yevtushenko's poetic comment was preceded in time by a thoroughly exasperated memorandum to Comrade Misha from his favorite state economist, Nikolai Shmelev, pointing out that the government was losing over 20 billion rubles every year in alcohol revenues. All that money, it could be confidently diagnosed, was going into the hands of professional criminals, who could be expected before long to have bribed and corrupted so many government officials that eventually Gorbachev's administration would be even more thoroughly corrupted than Leonid Brezhnev's ever was.

The disestablishment of the zero-tolerance policy comes none too soon for Comrade Misha. People were beginning to mutter "Perestroika no vodka and no sugar." •



TRANS-HIGH MARKET

QUOTATIONS

Anchorage, AK

Uncle Billy's Posy "paralyzing body high, one hit does the job!" \$200 oz, **\$600-650 1/4-lb.**
Big Bud "good smell and taste, nice high," **\$200 oz, \$650 1/4-lb.**
California Orange "smells good!" **\$190-200 oz, \$600-650 1/4-lb.**
Jamaican "skunky, coffee smell; tastes good." **\$200 oz, \$650 1/4-lb.**
Durban hash (Durban poison x Hash Plant) "lime green buds, smells like cat piss, stoney," **\$65 1/4-oz;** **\$200 oz, \$650 1/4-lb**
Thai weed "some seeds" **\$1800 1 lb** blocks.
Commercial dirt weed "seeds, more seeds," **\$45-50 1/4-oz, \$150 oz,** **\$400-450 1/4-lb.**
LSD green emerald, blue diamond "green is the better buy," **\$5 a hit;** **\$150 a sheet.**

Greeley, CO

Local red hair "no good, made me so paranoid while driving that I drank bong water after seeing a policeman," **\$45 1/4-oz.**
Homegrown "best around, can't go wrong, but the supply is short," **\$20 1/4-oz,** **\$65 oz**
LSD blotter "hard to find but worth the hunt," **\$8-9 a hit**

Miami, FL

Krypto bud "groovy buds," **\$70 1/4-oz.**
Jamaican "killer shit!" **\$30 1/4-oz.**
Green bud "getting scarce!" **\$35 1/4-oz.**
Stut weed "who cares?" **\$25 1/4-oz.**
LSD pigs, pyramids, blank, ha-has, and worlds "don't feed the walls!" **\$5 a hit**

Naples, FL

Diesel weed "looks like dirt, lots of seeds; tastes shitty," **\$10-15 1/4-oz.**
"Shrooms freshly picked; bitchin' shit," **\$10 gm**
Fresh green shake "good buzz, doesn't last long," **\$25 1/4-oz.**

Southern IL

Dark green/sternmy buds "not bad, good buzz," **\$35 1/4-oz.**

Howe, IN

Compressed Jamaican "good shit, Maynard!" **\$40 1/4-oz.**
Colombian "good bouquet, lots of seeds," **\$30 1/4-oz.**
Green red hair sinse "good value and good buzz," **\$35 1/4-oz.**

Brown orange hair sinse "kicks ass, half day high!" **\$35 1/4-oz.**
Homegrown Indiana ditchweed "terrible taste, average buzz," **\$15 1/4-oz.**

Florence, KY

Hybrid Northern Lights clones "very sticky!" **\$200 oz.**

Send quotations to: THMQ, 211 E. 43rd St., New York, NY 10017. THMQ is intended solely for informational purposes. All entries should be typed or neatly written; If you are unable to compose a legible entry after testing your samples, please wait until you have control of your penmanship before sending us your information. Marijuana is listed by 1/4-ounce, ounce and pound prices only. Don't bother sending prices for hard drugs. Prices in this issue are current as of September 19th, 1988.

Hash Plant "one hit and lights out, I call it the hammer" **\$60 1/4-oz.**

Afghan skunk "Wow!" **\$250 oz.**
Red haired sinse "good high" **\$50 1/4-oz.**
Fresh green shake "good buzz, doesn't last long," **\$25 1/4-oz.**

Brooklyn Park, MD

Jamaican blocks "expensive, but rather tasty," **\$1850 lb.**

Bedford, MA

Commercial herb **\$45-60 1/4-oz.**
Colombian gold "ultra scarce but gets you retarded," **\$100 1/4-oz.**
LSD "becoming the drug of choice; half a hit is plenty!" **\$5 a hit.**

Germantown, MD

Local-grown Hawaiian "heavily high: the best around, limited to those with connections," **\$75 1/4-oz, \$300 oz.**
Brown Mexican "the worst, moldiest dirtweed possible, if you haven't smoked for two months, you

might get high," **\$30 1/4-oz;** **\$110 oz**

Mexican buds "brown and moldy; somebody must need cash, don't buy it—it's not worth the price," **\$50 1/4-oz,** **\$200 oz.**

Homegrown shake "seedless and stemless, very green in both color and taste, seemingly unibrated quantity, very popular due to the price," **\$15 1/4-oz,** **\$50 oz (fills 1 1/2 ziplock baggies)**

Blond hash "at long last! the best around in years, very powerful, upscale high, must know somebody!" **\$4-10 gm.**

Black hash "very low quality, but the poor ignorant souls are eating the stuff up," **\$8-10 gm.**

LSD blotter, gold stars, pink flamingoes "some real good available," **\$4-6 a hit**

Marblehead, MA

Red hash "great buzz, doesn't bog you down," **\$10 gm**

Black hash "good buzz, but the red tastes better," **\$10 gm.**

Washington, MI

Black hash "from Canada, better than average" **\$10-12 gm.**
Killer Skunk "two-hit shit!" **\$40 1/4-oz,** **\$500 1/4-lb.**

Hawaiian buds "fruity taste; fluffy buds," **\$50 1/4-oz.**

Commercial brown "tons of seeds; very harsh, too dry."

\$20 1/4-oz, \$75 oz.

Zombie weed "one hit and you're stoned!" **\$200 oz.**

LSD blotter "micro blue stuff, melts your brain," **\$5 a hit.**

Purple mescaline "eight-hour buzz," **\$2-3 a hit,** **\$55 for 50**

"Shrooms "pretty weak, don't waste your time" **\$7-8 gm.**

Kansas City, MO

Commercial Colombian "dirty brown, poor to fair at best," **\$20-30 1/4-oz.**

Red haired sinse "excellent taste, soaring high," **\$30-40 1/4-oz.**

Mexican "up from the Ozarks, kind of skunky, good buzz!" **\$25-35 1/4-oz.**

Omaha, NE

Commercial brown "lots of junk," **\$25 1/4-oz;** **\$275 1/4-lb**

Mexican red hair "tight buds, hashy taste, stoney," **\$35-40 1/4-oz.**

1/4-oz; \$350 1/4-lb.
Homegrown indica "smells good but try before you buy," **\$45-60 1/4-oz.**

Blond hash "nice change, but overpriced," **\$10 gm,** **\$210 oz.**
Cocaine "some good, some bad, lots of snitches on the streets—watch out, dudes!" **\$25 1/4-gm,** **\$100 gm.**

New York City, NY

California outdoor indica/sativa "indica dominant, good high, calming smoke," **\$350 oz.**

Local indoor indica "lots o' resin glands; good ol' hydro-weed!" **\$300 oz.**

Maximum Northwest indica "night tripping shit, snooze away your daze!" **\$400 oz**

Eagle Thai "ass kickin', great!" **\$260 oz.**

Chocolate Thai "go for the Eagle—better taste!" **\$180 oz.**

California sativa sinse "disappointing taste, but powerful!" **\$240 oz.**

Jamaican "probably Colombian seeds, okay," **\$140 oz.**

Colombian "bleech!" **\$50 oz.**

Tex/Mex "alright!" **\$70 1/4-oz.**

Indica "uh-oh! the drought's on!" **\$80 1/4-oz.**

TRANS-HIGH MARKET LETTERS



ALASKA

I am stoned on kick-ass homegrown sativa. Out of six plants, three morphed early, resulting in mass seeds. Luckily, these three plants were under a 24-hour exhaust fan. They shriveled up and died after pollinating themselves. The other three did well, and I am enjoying the effects of one of those three right now.

The Alaskan scene is not as cool as you might think. We are allowed to have up to four ounces, but if you have it in separate bags, you're busted! If you have some in your car or transport it in any way, you're busted! If you sell it to your friends, you're busted! The cops do have a harder time busting people, as "The Drag" must have proof that you have more than four ounces in your home, unless, of course, you are caught selling/transporting it. Then it's off to the slammer you go! Still, as bad as it is up here, it's at least 800% better than stateside.

—Alaskan Bud Man
Growin' in, AK

CALIFORNIA

I've enjoyed your magazine since the first issue... HIGH TIMES is the best! I find the mag more truthful than Newsweek and definitely more humorous! Here in Orange County, Southern California's bastion of conservatism, the yuppies are destroying every wide open space available, to put up yuppie-domes (some people call them condos) and massive lookalike housing developments.

Since Ron and Nancy's oh-so-effective War on Drugs, there has been a plentiful supply of good green Mexican sinsemilla, good-to-fair Thai, an increase in good-to-fine indoor grown indica

buds, and loads of cocaine. There is also a good amount of psilocybin around, to either buy or pick yourself. Let's see more articles on the newest psychedelics, huh?

—Somewhere in CA

FLORIDA

I don't get high. I used to, but it just didn't fit my lifestyle. My girlfriend does, and I supply her with my homegrown. I grow only for the money, and I won't mess with anything but pot. I may be a minority, but around here I know a lot of people like me.

I love your mag except for one thing. I am not for legalizing marijuana except for small amounts. This would kill the market. If people don't want to pay high prices, let them grow their own. But if people making good money want some, let them pay me \$200 an ounce and not the government.

I also support closing the borders to incoming pot. This makes my homegrown even more valuable. Why import corn from another country when our farmers' corn sits in storage because they can't get a decent price for it? We should buy our own American-grown corn and quit buying government subsidized corn from other countries. Keep the money here, y'know what I mean?

—Guerrilla Grower
Bonifay, FL

ILLINOIS

I wish some good smoke would come to this area (just ten miles out of St. Louis, MO) more often—you'd think it would be better out here. There is a very small supply of dirtweed going around, an overabundance of LSD (usually \$275 a sheet), and no mushrooms to be found. Since there is this big dope shortage, coke is making it big. Personally, the bud is the only way to go! Because of the drought, I'm going to start an indoor grow room. Behind NORML 100%—hoping to see marijuana legalized.

—Bummin' Out
Collinsville, IL

MASSACHUSETTS

Bad news in eastern Massachusetts. There were 64 bales of weed (the press

claimed \$1.2 million worth, but I don't know...) seized in Hanover, two towns over from me. This probably means DROUGHT! I certainly hope not.

Good thing I got a few nice plants growing for myself (and friends, of course). Psychedelics are rare around here, only when the Dead come around do we ever see any acid. Most hooch around here is pretty good. I get it for \$140 an ounce.

Well, I'm hungry for a bone right now, so I gotta go. Later!

—Name Withheld

Somewhere in MA

NEW HAMPSHIRE

To all you assholes who are growing dope and selling it for outrageous prices, you are, as Dave Letterman would say, money-grubbing scum!! (You know who you are!)

I used to pay up to \$70 for a quarter ounce, and the asshole selling it was probably making a 100% profit! Well, fuck you! I found a way to beat your system!

I'm growing my own! By Christmas, there will be super Hash Buds aplenty. Don't worry, there will be enough to go around, and the price will amaze you. Remember, not all people who sell their crop are assholes.

So please be patient. There are some of us out here who really do care about the average Joe.

—Higher Than The Mountains
Somewhere in NH

OHIO

Grow more sativa! Fuck that indica shit!

—Da Bzzzzzz
Out here in OH

I loved the article "Guerrilla Growing in the Bible Belt" (August '88). I've been a guerrilla grower of fine marijuana here in Ohio for ten years now.

Thanks to the hot, dry weather we've had this summer, my plants have grown huge. My planting recipe is simple: I just dig several 12" x 12" holes and chop up the soil real good. Then I add dehydrated limestone, bone meal, and composted sheep manure to the existing soil. Then I water my plants twice a month with a well-diluted mixture of 5-2-2 fish emulsion. Hope it helps you out!

—Mr Doo Doo
Somewhere in OH

WHEN IT'S MORE THAN A HOBBY.

**KYLE WOOD'S
SUPER
BUDDY**

ANY CONFIGURATION - EXPANDABLE RESERVOIR -

98 ADULT PLANT
MINIMUM IN
8'X7' AREA.
FULLY AUTOMATED
AND
PROGRAMMED.**UNLIMITED
EXPANSION!**

PORTABLE.

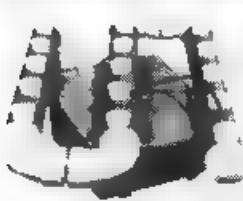
THE BUDDY SYSTEM clones and grows in drinking cups, allowing Perpetual Harvest of individual plants anytime! No connections! A sea of green!

Roots are directly fed and oxygenated in a closed chamber for 15% quicker growth, bypassing grow media problems like shifting pH and excess humidity - without nightmares from internal sprays. Minimal maintenance!

SUPER BUDDY 98	\$95
100 Cup Under	\$1,800
1000 Cup Under	\$4,600

**GOOD BUDDY
MODULAR**

Multi-configuration:
31" x 47" x 48" high,
45 gallon reservoir.
All automated.



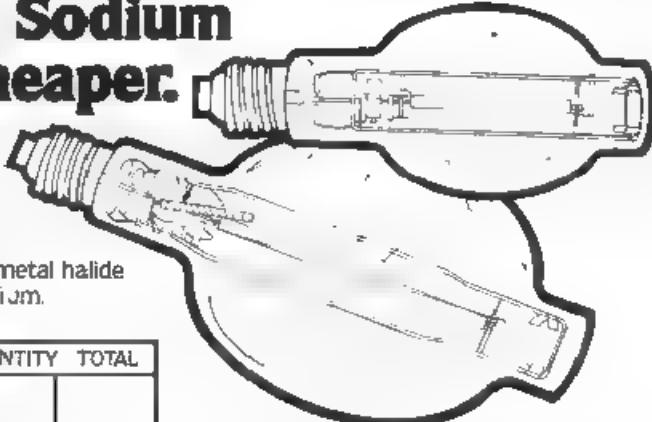
You asked for it. You got it. Energy Savers is pleased to announce high pressure sodium bulbs specifically designed for metal halide lighting systems.

Easier.

When your plants are ready to bud and flower, simply change the light bulb.

Cheaper.

Now, you don't have to invest in a whole new lighting system just to switch from metal halide to high pressure sodium.



The latest technology has created a unique, energy-saving sodium bulb that runs off of your existing metal halide ballast. Using less electricity and having a life expectancy of 24,000 hours, you can realize enough savings in energy, in just one year, to virtually pay for the bulb itself.

Order your own high pressure sodium bulb for your existing metal halide system today. And make the switch to sodium lighting without making the investment. Works with mercury vapor ballasts, too!

		LUMENS	PRICE	QUANTITY	TOTAL
	1000 WATT CONVERSION BULB	JSES ONLY 940 WATTS— HAS ONE YEAR WARRANTY	140.000	\$139.00	
	400 WATT CONVERSION BULB	JSES ONLY 360 WATTS— HAS ONE YEAR WARRANTY	50.000	\$69.00	
	GIANT 1500 PAGE CATALOG FEATURING BLOWERS, FANS, PUMPS, MOTORS AND 15,000 OTHER ITEMS		\$ 5.00 (Refunded with first purchase from catalog)		
			SUBTOTAL		
			CA RESIDENTS ADD 6.5% TAX		
			C.O.D. CHARGE (\$2.00)		
			SHIPPING AND HANDLING	\$ 3.00	

See our other fine products on the inside front cover ad.

CALL TOLL FREE OR MAIL IN YOUR ORDER **(800) 421-2994** OUTSIDE CALIF **(800) 538-3400** INSIDE CALIF

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

DAYTIME PHONE _____

ACCOUNT NUMBER _____

VISA

MASTERCARD ONLY

(THE NUMBER OVER YOUR NAME)

EXP. DATE MO. YR.

SIGNATURE FOR CHARGE ORDERS

BEYOND A THERMOSTAT / HUMISTAT...

ULTRASTAT™ 1999

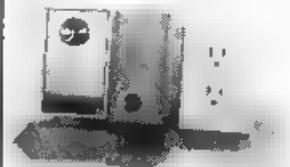
PROGRAMMED LOGIC CONTROL,
CORRELATION AND MONITORING
OF YOUR
CO₂ • VENTILATION • LIGHTS • TEMPERATURE • HUMIDITY
- Just plug them in!

CO₂ release coordinated to Lights and Ventilation
Optimize growth while saving CO₂ and electricity

24 hour Ventilation correlated to Temperature and Humidity \$215

LIGHTS: Horizontals, Gull Wing™, Minis •
LIGHT MOVERS • CO₂ SYSTEMS •
FANS • NUTRIENTS • ROCKWOOL, etc.
LONGEST GUARANTEE IN THE BUSINESS

Call your special friends at **HIGHER YIELD**
for ALL your growing needs!



AEROBIC TURBO CLONER™ (TM PAT PEND) Cuttings root themselves in as little as 5 to 7 days, in a perfect sealed environment. No watering, tenting or care needed. Just stick 'em in and come back a week later. Includes 11"x21" greenhouse, two jumbo root hormone rockwool cubes and complete instructions. \$27.95

HIGHER YIELD

EXCLUSIVE MAIL ORDER CENTER

1-800-451-1852

HIGHER YIELD 712 Wilshire Blvd. Suite 12
Santa Monica, CA 90401 (213) 394-6777

FAST BI-COASTAL SHIPPING AVAILABLE

Free catalog. Prices plus shipping
Store prices may vary

MC/VISA C.O.D.

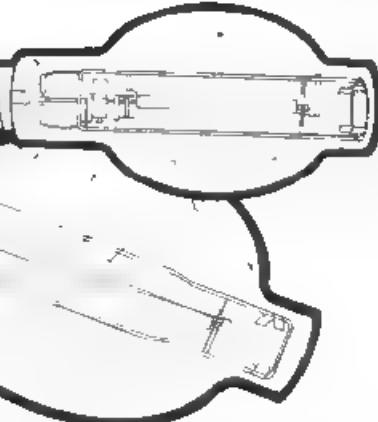
HIGHER YIELD FAMILY

A.M. LOS ANGELES • 4627 San Fernando Road Glendale CA • 818-243-0068

ROCKY MTN LIGHTING & HYDROPOONICS • 7100 North Broadway Suite S-S, Denver CO • 303-428-5020

CANADA C.M.L. • 426 Princess Ave. E Brandon, Manitoba R7A 1S7 • 204-728-5601

C.I.M.M. • 1050 Caven St., Mississauga, Ontario L5G 4J4 • 416-274-0465

Ask for your **FREE** booklet — "Guide to Hydroponic Systems".**Switching to High Pressure Sodium has never been easier. Or cheaper.**

The latest technology has created a unique, energy-saving sodium bulb that runs off of your existing metal halide ballast. Using less electricity and having a life expectancy of 24,000 hours, you can realize enough savings in energy, in just one year, to virtually pay for the bulb itself.

Order your own high pressure sodium bulb for your existing metal halide system today. And make the switch to sodium lighting without making the investment. Works with mercury vapor ballasts, too!

ESUE**ENERGY SAVERS
UNLIMITED, INC.**22138 S. VERNONT AVE. #C
TORRANCE, CALIFORNIA 90502

ONE MAN'S DOPE

continued from page 22

principals, and teachers everywhere, exhorting them to commit themselves publicly to promoting the Foundation's 1988 Pledge Drive, by sending signed letters to "Nancy's" own P O B , care of the Foundation, response deadline mid-April (or else). In July, P&G vice

president Wallace Abbot was writing directly to Mrs. Reagan's very chief of staff, Jack Courtemanche, proposing a half-day reception at the White House, including lunch, for the all-new Board of Directors of the Just Say No Foundation. "I think it is essential that Mrs. Reagan be able to attend the lunch," Abbot crisply counseled, "or a part of the meeting, or both." He signed himself "Wally", too.

The all-new Board of Directors came about after P&G did an audit of the Foundation last spring, and found them \$600,000 in red ink with at least one lawsuit threatening. By August, Wally Abbot had given poor Tom Adams his walking papers, and reorganized Just Say No's executive structure with his handpicked Board of Directors. Adams went vengefully to the House Narcos Committee, and laid out all these spicy P&G internal communications for the delectation of Rep. Rangel.

The spiciest of all these memoranda propose setting up a decidedly athletic charade for the frail First Lady to perform, for P&G's promotional benefit. They propose that Nancy select a nationally-tevised ABC Monday Night Football contest (Giants vs. Redskins is respectfully recommended), go out on the field at half-time, and ceremoniously kick a football to some little kid, who will carry it triumphantly across the goal line. Brought to you by Luvs diapers, maybe, or Folger's Instant Coffee (containing my own favorite addictive drug, caffeine).

If, by the time you read this, the First Lady has performed any such ludicrous and dishonorable stunt for Procter & Gamble's promotional benefit, that must mean the Republicans are in absolutely terminal straits on the Drug Issue in this election campaign. Whether or not those sons of bitches win or lose in November, though, I can guarantee you there's no way in heaven Mrs. Reagan will be showing up next spring at Procter & Gamble's historic Just Say No Walk in Washington. I'm getting an earful right now from a deeply-disgruntled former member of Nancy's White House entourage, including what Nancy really thinks about the odious Just Say No whistle-stop ordeal they put the poor sick woman through all those years. Stay tuned to "One Man's Dope" and I will tell you all—or at least all that can be libel-proofed by documentation.

We Beat Any Price
LOWEST PRICES
FASTEST SERVICE

Write or Call for FREE CATALOG 1-(800) 237-3759

To Order:
Call or Send Order
With Name, Address,
Phone, Money Order
or Charge
Number/Exp. Date



BUY TWO GET ONE FREE!!

	Epinephrine	100	200	\$80	1000
Mini White Cross (Thick or Thin)	25mg	\$8.00	\$12.00	\$14.00	\$17.00
Mini Pink Heart (with or w/o G)	25mg	\$8.00	\$12.00	\$17.00	\$21.00
Purple or Yellow Tablet	25mg	\$8.00	\$12.00	\$18.00	\$23.00
Small Black Capsule	25mg	\$7.00	\$10.00	\$16.00	\$25.00
Small Yellow Capsule	25mg	\$7.00	\$10.00	\$16.00	\$25.00
ENERGIZERS					
Caffeine	100	200	300	400	1000
White with Green, Blue or Red Specks	225mg	\$6.00	\$14.00	\$22.00	\$26.00
Large Pink Heart	250mg	\$8.00	\$12.00	\$20.00	\$25.00
White 20/20	300mg	\$8.00	\$12.00	\$20.00	\$25.00
	325mg	7.00	\$10.00	\$22.00	\$30.00
Magenta, Pink and White Double Layered	367mg	\$8.00	\$12.00	\$24.00	\$30.00
LARGE CAPSULES					
Blue/Clear	200mg	7.00	\$10.00	\$24.00	\$35.00
Green/Clear	275mg	7.00	\$10.00	\$24.00	\$35.00
White or Black Mole	325mg	7.00	\$10.00	\$24.00	\$35.00
Marl Black	350mg	\$8.00	—	\$25.00	\$40.00
SMALL CAPSULES					
Yellow or Black	200mg	7.00	\$10.00	\$24.00	\$35.00
SLEEP AIDS					
Orange Tablet (50mg Diphenhydramine)		100	200	300	400
	\$7.00	—	\$20.00	\$30.00	\$40.00
OTC AIDS					
Quick Loss, Strength Available w/o a Prescription	PPA HCL	100	200	300	400
Yellow Film Coated Time-Release Caplet	75mg	\$7.00	\$15.00	\$20.00	\$30.00
Red and Clear Capsule	75mg	\$7.00	\$15.00	\$24.00	\$35.00
Fiber Diet Aid/Fruit and Bran Fiber		5.00	10.00	18.00	25.00
Grapefruit Tablets (25mg PPA, 20mg Vit. C, 100 mg UVI E, 100mg Grapefruit Extract)		5.00	10.00	18.00	26.00
COLD CAPSULES					
100 mg Caffeine, 25mg Ephedrine Sulfate, 2mg Chloropheniramine Maleate	100	200	300	400	500
	\$10.00	\$20.00	\$30.00	\$40.00	\$50.00
SUNtan PILLS, Bottle of 100: \$12.95,					
Berry Complex, Bottle of 100: \$17.95,					
200: \$22.95					

Quantity Discounts Available

NATIONWIDE PURVEYORS, INC.
P.O. Box 8482, Department H • Pgh., PA 15220
No Sales to Minors • Use Only as Directed • Offer Subject to Change Without Notice

Need NEW ID? PRIVACY?



How to get new ID from government sources. State ID's, Birth Certificates, Drivers Licenses, new SSN, Passports, Diplomas, Degrees by mail. Get better jobs. Cover negative records. Solve fingerprint problems. Disappear. Start life over!

#1 \$17.95



Clear bad credit. End debts. Establish new credit. Receive all kinds of credit cards. Establish new credit. Clever credit maneuvers. All your "credit rights" and more!

#2 \$12.95



HOW TO BEAT THE BILL COLLECTOR. Sharpest rules of the credit game. #3 \$7.95



100 WAYS TO DISAPPEAR. Inspiration for privacy. #4 \$5.95

Create your own privacy! Discover best low-profile methods. Financial privacy. Cash Income opportunities. Banking alternatives. Secret hiding places. Avoid violence, surveillance. Hide your assets. Protect mail, telephone. Using other "names." Disguises. Codes. Hideouts. Deep cover. Multiple addresses, and more!

#5 \$18.95



More on new identity. Legal name changes. How to disappear using legal changes. Adopt an alias. Laws on fake ID. "Take-over" ID. Codes used on drivers licenses, SSN, military SPN. Avoid passport problems. Do-it-yourself ID. Sources of private-issue ID. Much more!

#6 \$19.95

**SPECIAL COMBINATION OFFER
SAVE 40%! All 6 Books only \$49.95**

Total of Order: _____
(Calif. residents add 6% sales tax) _____

Postage & Handling Fourth Class _____
(Your choice) FIRST CLASS _____

TOTAL: _____

SEND TO _____ Send current Book Catalog -- FREE

Name _____

Address _____

City _____ State _____ Zip _____

Quick-American Brings You The Best from **ED ROSENTHAL**

YOUR
SOURCE
FOR

CULTIVATING INFORMATION

MARIJUANA GROWERS HANDBOOK is the most factual work about indoor and greenhouse cultivation. Contains all the information and details you need to set up a high yielding garden. Includes advanced flowering info to manipulate the light cycle for super production.

MARIJUANA QUESTION? ASK ED features 450 questions compiled from Ed's popular High Times column, updated and revised to include the latest horticultural information. A virtual encyclopedia of information about marijuana. This book is not only for the cultivator but for anyone interested in the subject. A comprehensive Table of Contents and a detailed index enable you to easily find an answer to any conceivable question. Loaded with photos, charts and diagrams.

305 pages, 79 photos,
5 1/2" x 8 1/2"
Spiral Bound \$19.95

MARIJUANA GROWING TIPS

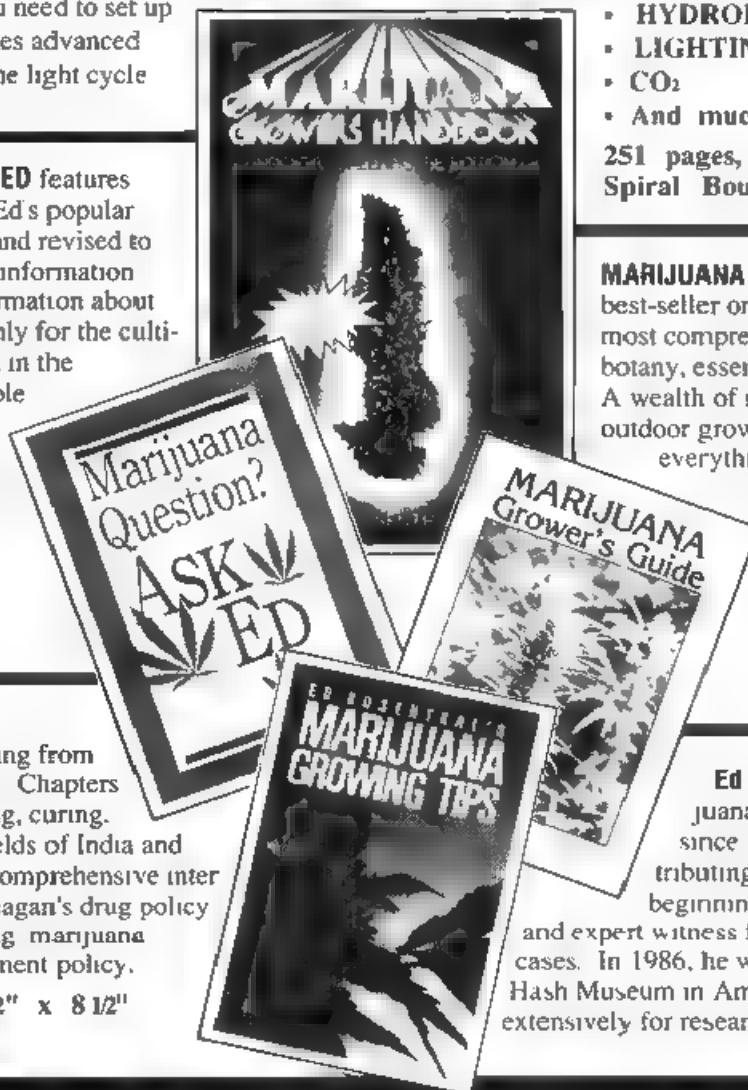
A compilation of articles ranging from cultivation to politics to travel. Chapters on soil, choosing seeds, cloning, curing. Ed's observations in the pot fields of India and the hash fields of Morocco. Comprehensive interview with Carleton Turner, Reagan's drug policy advisor, covers topics including marijuana chemistry, botany and government policy.

126 pages, 48 photos, 5 1/2" x 8 1/2"
Spiral bound, \$15.95

This will be the most helpful reference in your cultivation library. Complete index, scientific charts and graphs.

- HYDROPOONICS
- SEXING
- LIGHTING
- CLONING
- CO₂
- CURING
- And much, much more.

251 pages, 114 photos, 5 1/2" x 8 1/2"
Spiral Bound, \$19.95



MARIJUANA GROWERS GUIDE is the classic best-seller on marijuana cultivation. The most comprehensive survey of cannabis botany, essential to understand plant needs. A wealth of information on indoor and outdoor growing - 21 chapters to tell you everything you need to know to grow primo plants. Dramatic 16 pg. color section. Detailed index & bibliography. If you grow you need this book.

126 pages, 48 photos,
5 1/2" x 8 1/2"
Bound Edition, \$19.95

Ed Rosenthal

has been a marijuana researcher and botanist since 1967. He has been a contributing columnist since High Times beginning. Ed is a political activist and expert witness for the defense in marijuana cases. In 1986, he was appointed Curator of the Hash Museum in Amsterdam, Holland. Ed travels extensively for research purposes

CHARGE BY PHONE 1-800-428-7825 Ext. 102 (VISA & Mastercard Only, \$20 minimum)

Marijuana Growers Handbook
Marijuana Question? Ask Ed
Marijuana Growing tips
Marijuana Grower's Guide

\$19.95
\$19.95
\$15.95
\$19.95

MORE CULTIVATION BEST SELLERS

Marijuana Hydroponics
Marijuana Botany
Marijuana Potency
Mega-Crop
Complete Catalog (free with order)

\$14.95
\$14.95
\$14.95
\$9.95
\$1.00

Subtotal
CA residents add 6% sales tax
UPS and Handling
U.S. Postage add \$2 (optional)
TOTAL

\$4.00

Quick Trading Company

P.O. Box 477 San Francisco, CA 94101

Name _____

Street _____

City/State/Zip _____

I am enclosing: Check Money order for \$ _____

Bill my Mastercard / Visa Exp. Date _____

Card# _____

Signature _____

MAKE WAY FOR THE CROSS CULTURAL REVOLUTION, MON! "SANTA RA" KNOWS WHO'S BEEN NAUGHTY OR NICE !!



**CALL TOLL FREE
FOR ORDERS ONLY**

800-435-0715

In Ill. 800-892-0753



UNITED STATES

1 YEAR \$29.95
 2 YEARS \$54.95

CANADA & FOREIGN

1 YEAR \$37.45
 2 YEARS \$68.95

**HIGH TIMES
SUBSCRIPTIONS
P.O. BOX 410
MT. MORRIS, IL 61054**



Payment enclosed
 MasterCard Visa

Card # _____

Name _____ A1008

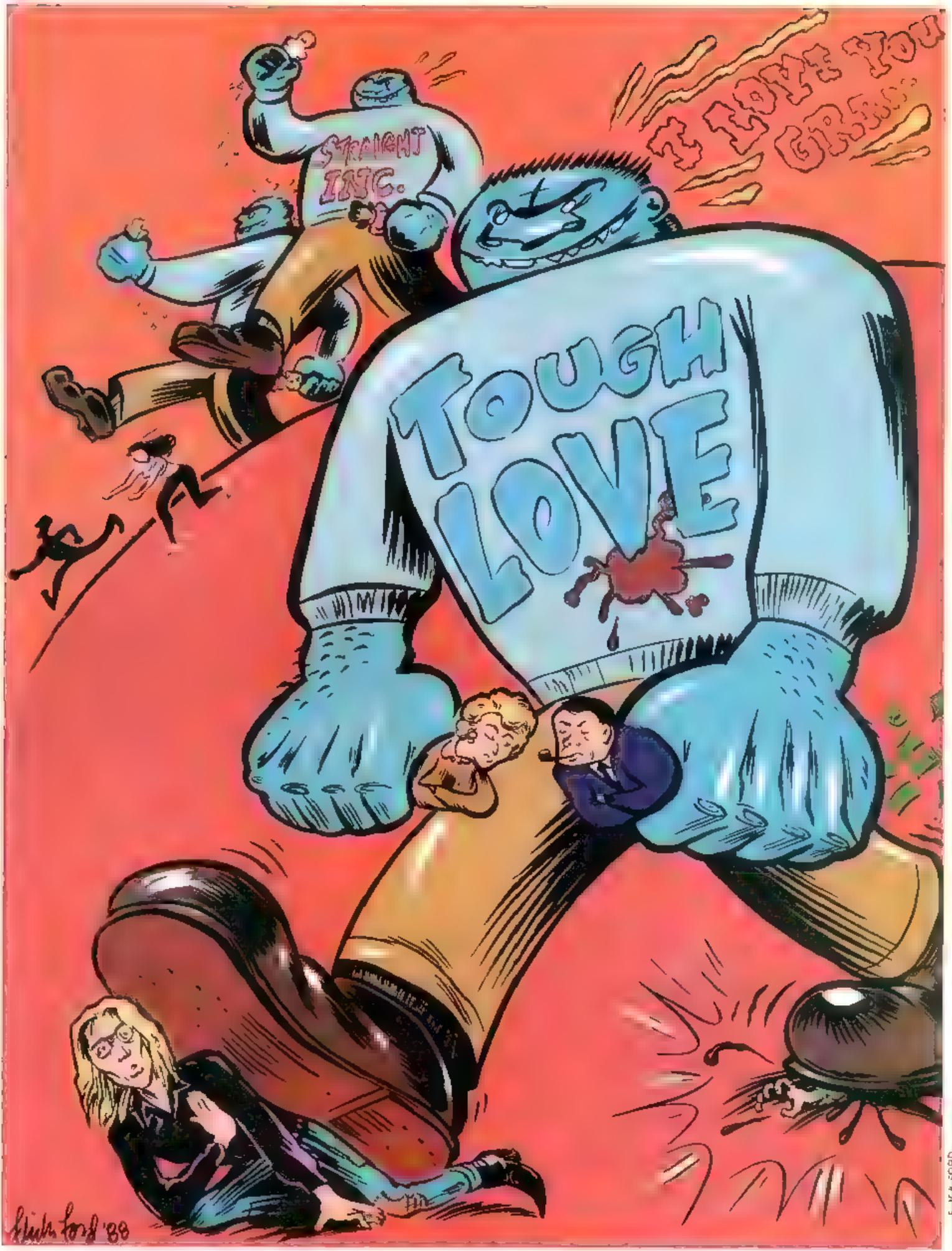
Expiration date _____

Address _____

Signature _____

City _____ State _____ Zip _____

PLEASE PAY IN U.S. FUNDS—ALLOW 6-8 WEEKS FOR DELIVERY.



Flick Ford 88

THE GREAT DRUG WAR

by Arnold S. Trebach

In January, 1982, the parents of Fred Collins committed his brother, George, to the Straight, Inc. drug rehabilitation center in St. Petersburg, Florida. They lured him to Florida from their middle-class home in Alexandria, Virginia, under the pretense of visiting Disney World during Christmas vacation. George was duped into entering the building because his parents told him it was a real estate office.

In June of the same year, Fred Collins' parents took him to St. Petersburg on a family trip to visit George. Straight Inc.'s policy dictated that Fred, who was

The young man's name was Jack Jeffrey Waldron. On this day, Jeff was 18 years old, a year younger than Fred, and had not yet graduated from high school; his entire training in the profession of drug-abuse treatment consisted of five and one-half months as an inmate and staff trainee in this Straight facility. He represented the epitome of the nonprofessional peer counselors so touted by the White House and by many leading national drug-abuse experts. Mr Waldron bore the main responsibility for determining whether or not Fred would be locked up in this institution. Fred had not the vaguest idea that he was being so evaluated. He was asked a series of questions about family problems and his drug use, which he answered quite honestly. There seemed to be no reason not to.

"I told Jeff that I never believed that drugs were a major factor in my life. I told him that I had tried pot, hash, alcohol, caffeine pills, and, once laughing gas. When I asked how I should answer the question 'How long have you been doing drugs?' he said say five years since I had first tried pot back then. I was apprehensive because that was very misleading, but I wrote down what he said. Also, when I said 'caffeine pills' he wrote down 'speed' and said it was the same thing. [To most people in the drug abuse field "speed" refers to amphetamines, sometimes the source of serious abuse. "Caffeine pills" normally evoke thoughts of relatively mild nonprescription compounds such as No-Doz.] Then, Jeff started to ask me a lot of things about my sex life, including if I had premarital sex in college. I said I had. Jeff retorted, 'How does it feel masturbating inside a woman?' At this

successfully attending college and had no history of serious drug use, undergo a "sibling interview" before being allowed to see his brother. It was an interview which would change his life forever.

In this excerpt from The Great Drug War, Arnold S. Trebach tells Fred Collins' frightening yet true story: one of deception, mistrust, and the fanatical methods used by Straight, Inc. to help young people overcome their drug problem—whether they have one or not.

Fred's story begins as he meets the young man conducting the sibling interview...

point, I was starting to get angry and told him, 'My sex life is none of your damn business.'

"About then, three more young men, all rather large, came into the room and sat so that they blocked the door. Suddenly, I was scared shitless. I was sweating like crazy. I asked to see my dad but they said we had more forms to fill out. As I was doing them, they started to 'relate' to me, telling me about their bad drug and sex habits. They started to accuse me of being like them, that is, of having a terrible drug habit and perverse sexual habits. This went on for hours, I had lunch and dinner brought to me on a paper plate inside that small room under guard." Eventually Fred blurted out angrily, "You guys are crazy as shit. I don't have any drug or sex problems and I have a good relation with my family and if you get my father in here he'll straighten it out. I want to see my parents. Let me out. If I have a drug problem then everyone at college must have a drug problem. I drink far less and I smoke far less than anyone there. I have good grades."

One of the young men replied, "You can't see your parents yet." It became clear to Fred that he was being kept in that room and if he attempted to leave, he would be forcibly detained. The young men have since testified that such physical restraint was standard Straight policy in sibling interviews and that their mission that day was indeed to prevent Fred from leaving that small room. The illegal imprisonment of Fred Collins had begun.

Jeff brought his notes to Christopher Yarnold who was on the executive staff. In the notes, Jeff had written, "I don't feel good about this guy. I don't believe him."

Even though Mr. Yarnold had not yet even seen Fred, both went to Fred's parents in the lobby and told them, "Fred needs the program." His father disagreed with them, declaring that Fred had a good family relationship, and was doing well in school. Mr. Yarnold said he was going to talk to Fred directly. He spent 15 minutes in the room with Fred and went back and told his parents, "I have found physical evidence of Fred doing drugs within the last 48 hours." Mr. Yarnold is a former priest with no professional education, save for a one-day session on alcoholism and on-the-job training in Straight. Even though he had been with his son during most of the past 48 hours, the senior Collins did not ask what that evidence was. Instead, he told the stranger "Take him in."

Before that fateful decision, the parents had been reminded of a fundamental Straight policy. If a sibling is using drugs, he or she must come into the program, or be emotionally and financially disowned, if not, the original child will be thrown out of the program. The doctrine was that when that child left the program he or she "would go down ten times as far." Often, it was stated that the discharged druggie child would surely die. At this point, Fred's parents believed that they had the choice of putting Fred in or taking George out and killing him. They chose the former.

After seven to ten hours of being confined in that small room, of continually being told he was a drug addict, of having his denials met by the classic drug-abuse expert diagnosis that this was proof that he was "into denial," of being refused permission to go to the bathroom even once, Fred was near the end of his resistance. At this point, Chris

Yarnold came back into the room and said, "Fred, I just talked with your father and he said that he's not going to give you any more money for school unless you sign yourself into the program." It is not at all clear if the senior Collins actually made that statement, but the news of it seemed to have been the final blow. Fred also wanted very much to see his brother after all those months, and he was also influenced by the fact that he was on vacation and hence would not miss school. He signed himself in on the explicit assurance that after 14 days he would be free to leave. He felt he could

Most of the treatment program in each community took place in a central facility where the young people were brought every day from their scattered so-called foster homes, which meant the residences of Straight parents.

Straight, Inc., which by this time had facilities in several eastern cities, combined elements of a number of established drug-abuse treatment programs, especially Alcoholics Anonymous and the more rigorous residential therapeutic communities, such as Synanon. Once troubled people enter AA or a normal residential

how to write proper Moral Inventories, or MIs. It was important to confess guilt in the form of drug and alcohol use, or not being respectful to parents, and then for the resident to explain how he was going to improve. It helped if the newcomer made his guilt appear to be great, which meant his remedial measures then became more impressive. At first Fred tried to write truthful MIs and every day his oldcomer at the time, John, would confront him with, "This is bullshit, Fred!" Soon Fred learned to write a proper MI, especially since his meager food rations were often cut in half if he did not.

For at least 12 hours on weekdays, and often half that time on weekend days, the residents went through a series of group sessions, or raps, at the facility in St. Petersburg. In these raps, the males would be on one side of the large room and the females on the other. Even eye contact was forbidden between the sexes, although on many occasions, the group sessions were held jointly with both sexes present. If a female walked by the male group, it was expected that the males would cast their eyes downward.

A major feature of each rap was "motivating." The residents flailed their arms wildly about, moving their bodies frantically in their chairs in order to get recognized by the group leader. The chosen person would stand and make confessions and "renouncements", often crying as he or she did so. These public confessions were usually about their "druggie pasts". It was common for residents to exaggerate their drug involvement so as to demonstrate the great progress they were making, as in the case of the Moral Inventories. At least half of the children and youth there, as far as Fred could tell, had been tricked into the program during sibling interviews. Almost all of this group simply did not have a drug problem so that public exaggeration was necessary.

In "homes" or homes rap, residents were informed if they had earned the right to a visit to their own homes. Residents were coached to shout "Coming home" and to rush into the arms of their parents, if they happened to be present, when granted this privilege. Despite all of the pressure and harassment, Fred made it to his fourteenth day in reasonably good spirits. He was right. He could take almost anything for two weeks. Fred stood up in homes rap that day and said that he wanted to go home, as he had been promised. The group turned on him harshly and informed him that no one left after 14 days; 70 was the usual minimum. He was also told that he did not really want to "get straight", to really get rid of his "drug problem". From then on, Fred was depressed. He saw no way of breaking out of the main facility or out of the foster home.

Much of his fear came from what he had been told and what he saw with his own eyes in regard to the punishment inflicted upon residents who fought the

The homes were prisons. Under the direction of Straight staff, parents placed locks on windows and doors...

take almost anything for 14 days.

He was warned not to say anything to his parents, only to hug them and to tell them that he loved them. He was taken to them—literally taken, since from then on he was considered a "druggie", not to be trusted, and an "oldcomer" (an experienced inmate) had to hold him at all times, usually by the belt. Fred followed these directions. Mrs. Collins cried and Mr. Collins told his son, "I'm proud you signed yourself in."

INSIDE THE STRAIGHT PRISON

Fred was taken into a room and made to take off all of his clothes, whereupon the Straight staff and "phasers" (yet another term for experienced inmates who were proceeding through the seven phases of the program) searched his clothes and his body, including all cavities, his anus, his mouth, and his ears.

After this, he was taken into a room the size of a basketball court, in which were seated hundreds of other residents who were involved in a standard treatment session. Fred was introduced to the group as a newcomer who did not want to be there, but who had agreed to try the program for 14 days to deal with his drug problem. Then, Fred vividly recalls, the entire group turned toward him and said in unison, "We love you, Fred!" He sagged, put his head in his hands, and asked himself in despair, "What have I gotten myself into?"

The young man had gotten himself into a program that had been started in the '70s by Florida parents worried about the drug-taking habits of their children over whom they felt they had lost control. Straight parents made sincere and significant commitments to their new cause, including allowing their homes to be used as residences where the druggie youth lived while undergoing treatment.

therapeutic community program, however, they are free to leave at any time. This was not the case with Straight, as Fred had already discovered. And there were other vital differences.

Within a few days of arrival, Fred was taken to a pleasant waterfront residence, a foster home run by Straight parents, and placed in the care of John, an oldcomer who lived there. The oldcomer proceeded to educate his newcomer in the realities of Straight and Toughlove. "John looked like the Hollywood example of a Nazi Aryan type. Built like a lifeguard. He scared me more than anyone else in Straight. He would tell me things like, 'If you try to leave, I'm gonna make your teeth eat the concrete.' He would poke his finger into my chest, grind his teeth, and yell at me, and tell me the things he would like to do to me if I tried to escape. And every night before I would go to bed John ... would say, 'Love ya, Fred!' ... That was what they called Toughlove. It was brutality."

The homes were prisons. Under the direction of Straight staff and phasers, parents placed locks on windows and doors, installed alarm systems, and placed beds in such a way as to bar exits. Oldcomers slept on these beds so as to prevent newcomers from leaving their bedrooms, which were usually shared. Before going to bed, newcomers had to be watched even when they went to the bathroom, whether to use the toilet or to wash. If the oldcomer took a shower, he made his newcomers put their hands over the curtain rod and keep talking to him. If a newcomer felt the need to leave the bedroom and go to the bathroom during the night, he was discouraged. Often Fred was forced to urinate in a jar kept in the bedroom.

The major activity of each evening in the Straight home was writing Moral Inventories, a sometimes wholesome concept borrowed from AA but invoked with quite a different impact. The oldcomers trained the newcomers on

system. When residents defied the program while in the facility, a variety of physical punishments were imposed. It was common to have other phasers (of the same sex) simply sit on the offenders for minutes or hours until they were totally subdued and compliant. Fred was deeply affected, for example, by what happened to Keith, a young man who was openly defiant. Often Keith would walk toward one of the doors, all of which were constantly guarded, telling the Straight staff and upper-level phasers blocking his way to "fuck off." One time staff and phasers forced Keith into a bathroom, where Fred happened to be at the time, and proceeded to sit on him. Fred heard a loud crack and Keith yelled, "You've broken my ribs!" A staff member shouted, "Get back on his chest!" Some of the phasers did so. Later, it turned out that young Keith had suffered seven broken ribs and could not move his arm.

In some cases, acts of humiliation before the group were punctuated by a standard tactic of a finger poked in the chest, a push back off his feet and into the group, or even a punch. Fred suffered most, however, from what might be termed the ordinary activities of the program. "I was starving," Fred now claims. Whether or not this was literally true, he claims that he was always hungry and he was never fed enough. He had the huge appetite of a growing young man. Fred entered Straight a gangling 6 feet, 2 inches, 155 pounds. Within several months he had lost 20-25 pounds and looked like a concentration-camp survivor. He dreamed of food.

First phasers had severe limits on the times when they could avail themselves of restrooms while a rap was in progress. On a few occasions, a "bust-ass" rap would run into the early morning hours, after an already long day. It was common to see young men and women, by the hundreds, sitting for hours of "treatment" in a large room, motivating by flailing their arms so they could stand up and confess, while many of them were sitting in small pools of their own sweat and urine. The rooms were often hot and stuffy both from the heat of the climate and from the body heat of the large number of emotional persons present. Inmates sometimes vomited, hyperventilated, and fainted. Rarely did residents see the sun or have exercise in the open air. Many, including Fred, took on a sickly skin pallor. In these unsanitary and stressful conditions, some of the girls reported vaginal infections and missed or delayed periods.

Despite his deteriorating physical and mental condition—or perhaps largely because of it—at one point Fred Collins started to believe he really did have a drug problem and that the Straight program was needed to save the country. One evening in mid-October, he was reading a novel which dealt in part with mind control and it suddenly dawned on him that he had probably been brainwashed. At various times during the

previous several months, Fred had been so depressed as to be suicidal and wondered how he could kill himself. Depression is sometimes described as anger turned inward. Upon achieving the brainwashing insight, his anger turned outward. He would become a good con and work the system to the limit, appearing to be a committed Straightling. But in actuality he started to think about how to escape.

In October 1982, Fred was transported to the airport under heavy guard and in extreme heat in the back of what appeared to be a U-Haul trailer. The

believed that his father and the Straight staff would report the matter in such a way that the police might be persuaded to recapture him. He left the police station and went underground with the help of his fraternity brothers in Theta Delta Chi, who took him in and showed him the first true love and care he had experienced in many months.

During this period of fearful hiding, he stayed for a while with David, a young man who recently had been the president of his fraternity, at his home in northern Virginia. To reassure Fred, David allowed him to keep a .30.06 rifle, a

When residents defied the program while in the facility, a variety of physical punishments were imposed.

private chartered plane took him and over 100 other Straight youths to Dulles Airport. Again under continuous guard, he went to the new Straight facility in Springfield, Virginia, not far from his home. As in the past, down in Florida, this was the home of Straight parents, that is, adults who had a child in Straight and who had become fully committed to the Straight theology. In this case, Fred Collins' new place of confinement became his own luxurious home in Mount Vernon, Virginia.

He had been away from this beloved place since Easter vacation the previous April. When he returned after that absence, he found that his parents had converted that home into a prison, locks had been placed on all exterior doors and on many of those inside the house. The same was true of the windows. On the door of his own bedroom, his father had installed an electronic alarm system. The doorknob had been turned around so that the key could only be used from the outside. Most of his old belongings and mementos had been taken out and placed in the hall. A Straight staff member supervised the security of this locked institution, which contained three inmates including Fred.

ESCAPE

On the third night at home, October 31, 1982, Fred pulled off his escape after 135 days as a prisoner. He threw a table through a window and jumped out to the waiting car of a friend, Lorna, whose father is a retired FBI agent, whose brother-in-law is a police officer, and whose brother is a correctional officer. Lorna had come to his rescue after he had made a frantic telephone call to her in a moment when he briefly got out of the hearing of his guards. They went to her brother, who took them to the Groveton Police Station in Alexandria, where Fred reported his escape. Fred

very powerful weapon, in his possession. One day, a man in a white coat came into the house and told Fred that he was there to pick up some furniture. Fred leveled the rifle at his chest and said, "You're from Straight, aren't you?" The terrified stranger asked, "What the hell are you doing?" David happened to come into the room from a side door, saw the scene, and tackled Fred, screaming, "He's here for the furniture, Fred!" Later, Fred said, "I was going to blow him away. That's how nuts I was. I look back and honestly think I was insane."

Fred realized that he had to take some more rational action to deal with his disabling fear of being forcibly kidnapped back into Straight and also with the real possibility of that event. He finally decided to seek legal advice. One of his fraternity friends took him to his sister, who was a young attorney in Baltimore. When she heard Fred's story, she became furious that such practices could take place in this country. She also realized that she could not do the case justice. She told Fred that in her opinion the only lawyer for this case was Phil Hirschkop. The young lawyer called Mr. Hirschkop's office and made an appointment for Fred.

The first meeting between Philip Hirschkop and Fred Collins was significant for them and for the country. Fred related his situation to Mr. Hirschkop and to his younger associate David Fudala. Both attorneys had listened to far-fetched tales before from potential clients. This one seemed beyond the pale of possibility in America.

Phil Hirschkop called the Straight office in Virginia and the senior Collins, telling both that Fred was now represented by counsel, that he was to be left alone, and that if attempts were made to recapture him, Phil would immediately see to it that kidnapping warrants were sworn out against them. Both Mr. Hirschkop and Mr. Fudala thought that would be the end of their

involvement. They had not contemplated that the case would demand so much more effort from them.

Their temporary involvement stretched into several years. Within a few days, they had to respond to a criminal complaint and a warrant for destruction of property sworn out by the senior Collins against his own son. Fred had caused some damage to the house when he made his escape and, on the advice of Virginia Straight program director Melvin Riddle, Mr. Collins brought criminal charges and thus gave Fred the only criminal record he ever had. Phil defended Fred in that matter, which

Honorable Albert V. Bryan, Jr., was a conservative, no-nonsense jurist who seemed to take special pleasure in controlling hard-fighting advocates such as Phil Hirschkop. Lead counsel for the defense was Ronald L. Goldfarb. Over the years, Mr. Goldfarb had earned a solid reputation as a civil libertarian and an advocate of humane treatment of prisoners. In defending Straight, it is quite possible that Mr. Goldfarb was simply carrying out the canons of legal ethics which declare that all clients are entitled to competent counsel.

The trial dealt with two key questions. First, did Straight hold Fred in custody

the physical evidence he had found that Fred Collins was a drug abuser. "I'd diagnosed that—in my interview with Fred, his eyes were red," Yarnold testified. "Mr. Yarnold, are you telling these seven good people that you can look in someone's eyes and tell if they've been smoking marijuana?" asked attorney Hirschkop. "You can look in someone's eyes and tell that they've been smoking marijuana, yes," replied Straight executive staff member Yarnold. Phil Hirschkop then asked Chris Yarnold to come down and look in Fred's eyes right then, during the trial, for any indication of recent drug use. Mr. Yarnold did so and found no indication of dilation or redness, thus no hint of recent drug use.

Then Mr. Hirschkop brought out that the Straight executive had not noticed that Fred was wearing contact lenses that day in court, nor had Mr. Yarnold noticed it on the day of the sibling interview. Mr. Yarnold admitted that he knew that contact lenses could make eyes look dilated. (There was no mention of Fred's swim in the pool the night before the sibling interview which might also have contributed to red eyes. Fred believes that the combination of the swim plus the contact lenses might have given his eyes a dilated, red appearance during the interview, which he would have explained if asked at the time.)

Also important was that Fred had admitted to using a number of drugs, especially marijuana, even though he had not used any in the three months before the interview. On the witness stand, after intensive cross-examination, Mr. Yarnold delivered this conclusive pronouncement. "Anybody that is using a drug that is mood altering has a problem. Okay He has a problem. From now until eternity, Fred will be chemically dependent." Several jurors later recalled that they were deeply and negatively impressed by this dogmatic testimony of Straight, Inc. executive Christopher Yarnold.

WAS FRED COLLINS AN ADDICT?

However, the clash of values in this unique case, and by extension in the country, was brought out most dramatically in the testimony of the two psychiatrists presented as expert witnesses by each side. The dominant official view of adolescent drug abuse, which is strongly supported by the White House and many medical and social leaders, was represented by Dr. Robert L. DuPont, Jr., who was a paid consultant to Straight. He is a preeminent spokesman for that view—the world's heavyweight champion, in the eyes of many people—hence his testimony made this contest a trial not only of one narrow case but of a whole philosophy, one that controls much of American drug treatment today.

On the core issue in this case, Dr. DuPont testified that in his expert opinion, Fred Collins definitely was "a

continued on page 67

Did Straight hold Fred in custody improperly and imprison him falsely? That was the legal issue the jury had to decide.

involved a settlement. Fred paid his father \$75 for the damages incurred during his escape, and his father agreed to drop the criminal charges and to allow his son the right to come to the house and take most of his belongings.

Within the space of a few months, therefore, Fred Collins had become a war orphan. The American war on drugs had created a situation in which this successful college student and citizen could not live in his own house, could not visit his father, mother or his brother, and could expect no financial support to continue his college education. As the new youth-control dogmas of Toughlove and Straight mandated, the young man had been cut off from his family, emotionally and financially. He was in intense emotional pain. Hanging over him, moreover, was the real threat that he might be kidnapped back into the Straight prison.

Phil wanted to sue the elder Collins, but Fred insisted that, despite everything, he still loved his father and under no circumstances would he participate in a suit against him. Within several months Mr. Hirschkop filed a civil suit against Straight, Inc., claiming that it had visited upon Fred Collins the civil wrongs of false imprisonment, intentional infliction of emotional distress, and assault and battery. Because this case involved what is known as diversity of citizenship—in technical legal terms, Fred was a citizen of Virginia and Straight was a corporate citizen of Florida—it was possible to invoke the jurisdiction of a federal court.

THE TRIAL BEGINS

On May 9, 1983, the case of *Fred Collins v. Straight, Inc.* commenced in the United States District Court for the Eastern District of Virginia. The courtroom in downtown Alexandria was small, stuffy, and sometimes affected by street noise. The presiding judge, the

improperly and thus imprison him falsely?" That was the formal legal issue which the jury had to decide. If Fred was "under a reasonable apprehension that force will be used unless he willingly submits... it is false imprisonment." Nor was "malice or ill will or wrongful intention" necessary, only that Straight did accomplish the wrongful act of imprisonment.

Second, was Fred a drug abuser or an addict? That question was not a central point in the formal pleadings, technically speaking, but in actual fact it dominated the trial. It would indeed seem logical to say that if this second question were to be answered in the affirmative, then the charge of false imprisonment would be impossible to sustain. That conclusion was by no means certain, however, because both law and medicine are confused about how to define the condition known as drug addiction and also about the legal rights of people classified as addicts.

Dr. Newton filed an affidavit that put forth Christopher Yarnold as his designated expert who would explain how Straight diagnosed chemical dependency. In the actual event, Mr. Yarnold's testimony demonstrated the profound ignorance of some of the alleged leading experts on drug abuse in America. During the course of taking sworn pre-trial depositions, lawyers Hirschkop and Fudala brought out that Yarnold did not know the name of the active ingredient in marijuana, did not know what laughing gas was, and had only the vaguest idea of how drugs interacted with human health and behavior. On the witness stand during the trial, when asked if he knew at the time of the intake how the hallucinogenic factor in drugs worked, he replied, "No. All I knew was drugs affected people."

Mr. Yarnold also reiterated that it was his decision to commit Fred to the Straight institution—and then explained

THE Psychedelic Peruvian Doctor

by Peter Gorman



Pusanga, a hallucinogen used by South American witches.

The plants of South America make up a pharmacopoeia like no other in the world. More than 50% of the medicines used by western science include either synthetic chemicals derived from the plants of the Amazon Basin or parts of the actual plants themselves—from aspirin to anesthetics, birth control pills to cancer retardants, it is estimated that science has investigated less than one percent of the plant life there.

In fact, every tribe in South America has, or has had, its own pharmacopoeia at one time or another. How they came upon their remedies remains something of a mystery. The brujoas, tribal healers or herbalists that I have spoken with all say that the plants themselves reveal their secrets to those who wish to learn. Scientists prefer to think that hundreds of years of perpetual experimentation have produced the oral traditions which contain the secrets of healing.

However the tribes have gained their knowledge, it takes only a short time to lose it. Missionaries frown on 'witchdoctors' who look into the future, operate without the use



Dr. Solomon Melchor Arroyo.

of scalpels, and speak with the spirits of the plants. Tribal assimilation and forced relocation are other ways to eradicate whole bodies of information. A hundred years of oral tradition can be lost in a single generation.

Tribal people are responsible for the loss of their herb knowledge as well. Doctors with pills and injections which quickly cure symptoms are often thought of as powerful wizards and taken more seriously than tribal doctors. Despite this, some tribalists continue to depend on natural healing methods. Even in the cities there are practitioners who keep the traditions alive. I recently had the opportunity to speak with one of these practitioners in Lima, Peru. His name is Solomon Melchor Arroyo, curator of the Peruvian Museum of Natural Science and Health, and his work is rather unique. He is not only a plant-doctor, he has been collecting plants and their usages from hundreds of tribes in the hope that information which could otherwise be lost can now be preserved.

Dr. Arroyo's collection includes not only jungle plants, but a large group from the

Photography by Steven Flores

Andean mountain tribes. Some of these plants are generally considered extinct, others are unknown outside of the small groups which use them. Besides working at the museum, Dr. Arroyo teaches at the University of Lima and lectures throughout South America on natural drugs and nutrition.

Arroyo is a slight man, soft spoken and unremarkable looking, but his personality is strong, his eyes can catch yours and are unshakable.

"I have always been after the truth. I am not a witch or a brujero—people say there exists a connection between magic and the devil. I am a healer—I know the science of herbs which is a very different thing from those who tap into one of the five very real kinds of magic practiced here in Peru. I study the plants of peoples. I know which plants are nutritious, which are poisonous, which are for healing, and which are hallucinogenic. I have thirty years of experience with these plants."

"How have I come to have this knowledge? I have studied only in the open air with my teachers and protectors. I foresee plants, that



Hallucinogenic ritual tobacco.

is, I look at a plant in the day and sleep near it at night. While I sleep I dream what can be done with that plant. That is how we do it. I know others who also do it this way, but it is not the only way to learn. I am a friend to the plants."

"The plants alone are not always enough. Not everyone who knows plants can give you the power of the plant. A person has to have a kind of ESP with the plants, and the right character for using them."

My photograph, Steve Flores, and I were standing on the roof of the museum, a simple trellised space filled with hundreds of plants in small pots. Most of them looked as though they would be better off elsewhere. Dr. Arrovo agreed.

"I have a place in the country not far from here where I keep most of my plants. It is near the highway, in the mountains to the south, but here I can experiment with my plants, so I keep these on the roof. Many of them probably exist nowhere else in the world but here, some grown from seeds I have found in tombs, or from bulbs buried there. Incas plants."

You say you have an interest in learning about hallucinogens. Let me tell you about a few you might find interesting. I hope you will believe what I tell you. People have been using plants for so long but still there are so many people that are skeptical."

I lit a cigarette and offered one to the doctor. He took it and laughed gently.

"Look at this," he said, walking to a squat green-leaved plant. "This plant is from the same family as your cigarette, the tobacco family, but this one is from the jungle near Iquitos. Brujos use it for inducing hallucinations at rituals. You just boil the seeds in water and drink the extract; soon you have powerful hallucinations."

I asked him if it sort of hallucination it brought on.

"I am sorry, but I cannot tell you that. Only a brujo is permitted to discuss this plant in that way. Some things are secret, but there are others I may discuss."

This plant, the Pusanga, is from the Aturias family, also from the jungle. The bulb is ground and boiled in water. When you use this plant, You have visions when you drink the boiled liquid, but you may have milder hallucinations just from smelling the flowers. It is used to help in matters related to work, love and anti-witchery."

I noted that from what I knew of hallucinogen use among tribal people—specifically from my own experience—it seemed as though the plants were rarely taken as general mind-expanders, but rather as gain's specific knowledge. Dr. Arrovo smiled.

"These plants are not for play. No one

would prepare them for you unless there was a reason—they are too powerful. For example, here is the Huanarpo Macho, from the Caneasias family. This is from the mountains 3,000 meters high. It is an ancient Peruvian plant used to strengthen the hormones; only old men use this plant. When you take it you have visions of women. You put 20 grams of leaves into a half-a-liter of wine. After you drink it you will always be capable of having sexual contact. For this, we call it the macho plant."

And here, next to the macho plant, is the Huanarpo Embra, the female of the same plant. It also grows in the mountains, but not quite so high. It flowers every second cycle of the moon. You prepare it the same way as the males, but only women drink this plant. If a man should drink it he would think his insides were on fire and he would have permanent internal damage. When a woman who is frigid drinks this medicine, she hallucinates all of the lovers she has had. She may become excited that she can even go crazy from it. The effect may last a month. It is a very dangerous plant, but it has been used for thousands of years by the mountain Peruvians. Some Japanese scientists have been studying this plant with remarkable experiments."

I laughed and asked why there were no leaves on either side of the Huanarpo plants. The doctor grinned. "Many mountain



Huanarpo Macho—used for sexual potency.



Cactus of the moon.



San Pedro cactus.



Datura Family flower—"plant of the demon."

Peruvians now live in Lima. Sometimes they come to me for a little help."

I looked around the garden and realized that what had seemed to be unhealthy plants struggling to survive outside their natural environment, were actually plants from which the nettles, flowers, and leaves had been stripped. All of his plants were being used.

"Don't look so surprised", he laughed. "I told you I was a healer. That is what the plants are for."

Dr. Arroyo stared at me for a moment, then walked to a planter containing an array of cacti. "This is an interesting plant", he said, pointing to one of them. "This is the San Pedro. I have two varieties of this plant: one with lines and one without. You have a similar plant in the United States, but this one is found only here, in rocky ground in the mountains. It is the plant of the future, a ritual plant. You put the parts of this plant in 30 liters of water and boil the water on a fire built with special wood. This is during the full moon, of course, only during the full moon. All night the water boils and by noon you have only 1 liter of water left. Then you boil it very slowly for 6 more hours until you only have one-half a liter of water left. You let it sit for 6 hours; you drink it 1 full day after the fires were lit. At 3 in the morning your visions begin. You can see all your foes, your enemies, the traps you will take in your life. This is why it is called the plant of the future. Your visions will not be like those of other hallucinogens you have used. With this, the visions are not physical, but astral and

spiritual. It is difficult to explain. You will see the important things in your life, the friends you will have, your relations... but you are seeing things which do not yet exist. It is so very strong because it takes its energy from the sun, from one year to the next. It contains the very nectar of the sun, the concentrated power of the sun."

"The other San Pedro is a lower variety. It is used against enemies. If the enemy lives in your house, How it is used will sound strange to you, but it is true. You make a list of the people you want to enter your house and put the list in the ground in front of your house. You plant the San Pedro on top of the list and whomever is not on the list cannot enter the house. You might think that this is very impossible but people have been using it for more than three thousand years to protect themselves from their enemies."

The Plant of the moon is another cactus. Peruvians, peyote, similar to the San Pedro. The plant produces seed-pods twice a year, when it flowers. Each flowering lasts only one night, but that night it produces many flowers and each flower has several seed pods. You boil ten pods in just a half-cup of water only for fifteen minutes, no more. The liquid is very sweet since the pods are filled with something like honey. After you drink it you begin to hallucinate. You travel all over the world—not like the San Pedro, which takes you to worlds which do not exist yet—but more like traveling in an astral body in this world. You can go wherever you want and see whatever you want. For eight hours you will



Pidi-Pidi—used for contraception.

have visions of your friends and what they are doing right now. You can learn many things from these hallucinations."

I told him that the effect sounded very much like the vine, Ayahuasca, which I had used several times in the jungle.

"Similar yes—but for me Ayahuasca does not have a friendly spirit. I cannot use it without harming myself, but the Luna Cactus is very friendly to me, very similar effect, but different spirits."

"I have another powerful plant here from the Datura family. Perhaps you know it? The Chameo plant; very potent, very dangerous. It is called the plant of the demon because of its power. It completely robs you of your will-power. We use it only in rituals. A girl is selected to whom he is attracted to her. She scrapes the neck from 21 flowers with a stick and puts this nectar into soda or chicha (corn liquor). The man drinks it, and he has hallucinations of women. When his hallucinations are finished he is ready for her. He will be under the spell of that woman for six years. You cannot help yourself. Even if you hate that woman, you will not be able to control yourself. Now do you understand why it is called the plant of the demon?"

"Other parts of the plant can be used as well. The seeds may be dried and burned. Inhalating the smoke of the burning seeds will cure asthma and other respiratory problems. The flowers and leaves are good for hallucinations, but they are too powerful. Everyone that I know who has used them has died from them."

continued on page 77



Above: The morning after at the craft market in Negril. **Lower right:** Paul Rudolf stands next to a large uprooted tree.



Juicy's, a popular Negril landmark, was totalled by the storm.

continued from page 23

Although a rough surf was pounding the rocks, it didn't look that serious. Andre grabbed his camera and walked out onto the rocks to take pictures. Steve sat down on someone's balcony and opened a Red Stripe.

"I hope no one's staying here," he said. "This place is too close to the water to be safe."

To our mutual surprise, a girl opened the door.

"I don't mind you sitting there, but can you keep it down? We're trying to sleep."

"Don't you know about the hurricane?" I asked.

"We heard it wasn't going to hit for another three hours," she said closing the door.

The rain started to pour hard, so we ran for the nearest bar. After a few Red Stripes, we drove back to the thatch house.

For the next hour, the wind gradually increased in intensity, until most of the trees in our front yard were either uprooted or leaning at crazy angles.

Everyone moved into Paul's room and we cranked up the music on the ghetto blaster. "This is no big deal," said Dr Quality, who soon fell asleep again. Every now and then, someone would walk out



An expensive tri-hull boat was blown ashore and demolished.

on the porch to see if any more trees were down.

Suddenly, the sky went black and the intensity of the storm grew much worse. The noise from the wind was unbelievably loud. What a roar! I looked out the window and saw a wall of water moving horizontally across the yard. A small tree flew by. We were in the eye wall!

Steve was seated on a bench in a small alcove in the room. Earlier he had announced this to be the safest spot in the house. Dr. Quality, who until now had shown little interest in the storm, suddenly woke up and crawled underneath the bench.

ANDRE GROSSMANN

ANDRE GROSSMANN

"Scoot over, mon," I told Steve. "I'm sitting down too."

Within a few seconds, we were all wedged into that alcove.

We could hear the zinc sheets tearing off the roof. That meant we'd already lost the top layer of thatch. Water was running down the walls. The roof was leaking everywhere.

Suddenly... the storm was gone.

We wandered outside in a daze. The sky was filled with sparkling stars and a small plane was flying in circles. We were inside the eye.

"Quick," said Steve, "let's drive down to the ocean."

"Don't do it! Don't do it!" I warned.

(Ra knows better than to venture out in the eye.) Steve and Andre drove back to the balcony where we'd been hanging out earlier that day. They returned in 15 minutes and announced the balcony no longer existed and that the road to Negril was blocked by fallen trees.

The eye moved slowly and took more than 45 minutes to pass over, so we had plenty of time to prepare for the next assault. The Englishmen came running into the house, grabbed their belongings, and fled to another building (one made of concrete instead of wood).

Suddenly, without warning, the mighty roar of the wind returned and the eye wall slammed us hard again, coming from exactly the opposite direction. Although Paul's room had been sheltered from the first phase of the storm, it took a terrible beating in phase two. The room was filled with water, drenching us and our belongings.

The roof started to vibrate so hard I expected it to fly off at any second.

"Get the mattress!" yelled Andre.

Andre ran out of the alcove, grabbed the mattress off the bed and came running back, holding the mattress over his head. Steve picked up a blanket and put that on his head.

Fortunately, although we'd lost the top layer of thatch and most of the zinc, the roof structure held. Fifteen minutes later the eye wall passed through, and the winds slowed down to a more "reasonable" 50 miles per hour. We stayed in the alcove for another hour or so, waiting for the storm to die down.

We were alive! Wet, but alive.

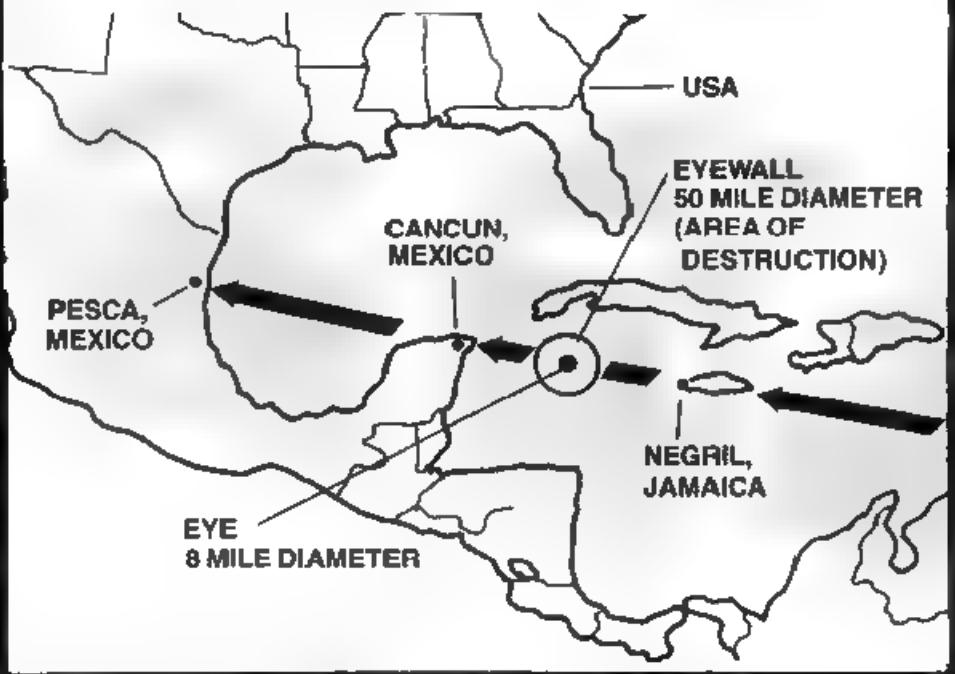
I lit a candle and left to check out the rest of the house. Every room was soaked, except for one vacated by the English. Fortunately, the gas stove still worked, which meant we could have hot food! The five of us quickly moved into the dry room and fell asleep fully dressed.

We woke at dawn, ate breakfast and hopped into the car.

We had to wait several hours before the road was clear to drive, so we left the car and walked to Xtabi on foot. On the way there, we ran into Dave, the owner, in his truck.

"Did you see a hurricane come through?

HURRICANE GILBERT'S PATH OF DESTRUCTION



here?" joked Dave.

The owner of Rick's Cafe happened to be passing the other way. "Did you see Rick's come through here?" he answered. (We later learned that Rick's Cafe had been completely demolished.)

Walking through the town was very depressing. As usual, the poor seemed the hardest hit. Most of the concrete structures were undamaged, but the shanty shacks were flattened. Despite the devastation, the locals seemed to take the disaster remarkably well.

"My whole house mash down," said one man. "I have nothing but the clothes on my back. But I'm alive, so I'm happy."

The rebuilding process started immediately and although there was no fresh water, little food, and no electricity, there seemed little doubt that the town would be back on its feet in time for the winter tourist season.

Two days later, the road to Montego Bay opened and we made a mad dash for the airport. When we arrived, the airport was abandoned—no one home.

The next day, however, several thousand frantic tourists assembled, all trying to get out. Supposedly, there was going to be one flight to Miami. The mood in the airport got pretty hostile.

A group of young women managed to get reservations for the Miami flight, and as soon as they were ticketed, they broke into a spontaneous cheer.

"Now we can take a shower! Now we can drink a cold beer! Now we can take a SHIT!!! Yeah!!!"

The demonstration helped release a lot of frustration, not just for the girls but for

everyone else. Finally, everyone started to laugh and act more friendly.

The HIGH TIMES hurricane hunters spent the next 15 hours in the airport, fighting customs, the ticket takers, and anyone else in our way to get on that plane and return home. We didn't make it on that first plane, but we were lucky enough to catch a second flight to Miami later that day.

It wasn't until we landed and read the Miami papers that we realized just how terrible Hurricane Gilbert had actually been. As measured by research aircraft from the National Hurricane Center and the Air Force, the sea level pressure of the eye of Hurricane Gilbert was 26.13 inches, the lowest ever recorded for a hurricane in the Western Hemisphere. The only lower pressure measured anywhere on Earth, 25.69 inches, was recorded on October 12, 1979, in the eye of Typhoon Tip as it roared across the Pacific Ocean near the Philippines.

After passing over Jamaica, Gilbert's eye contracted to eight miles in diameter, and the eye wall speeds surpassed 200 miles an hour, causing hurricane experts to liken it to a giant tornado. On Wednesday, September 14th, Gilbert hit the Yucatan Peninsula, creating massive destruction and killing hundreds of people.

Right now we need to band together and aid the hurricane victims in their time of need. For more information, call the Jamaican Consulate at (212) 935-9000. For information on travel plans to Jamaica this winter, contact the Jamaican Tourist Board at (212) 688-7650. ●

Interview: John Wilcock "Something, like, Really Weird!"

by John Holmstrom

The underground press, which flourished in the '60s, actually had its origins in the '50s, when weekly newspapers like *the Village Voice* were first published. John Wilcock founded the *Voice*, and was instrumental in the development and production of many underground newspapers during the '60s, including the *East Village Other*, *Oz*, and the *LA Free Press*. He also founded the Underground Press Syndicate and helped develop ideas for HIGH TIMES at the first editorial meeting. In fact, he was a major contributor to the first issue of HIGH TIMES, which identified him as "the elder statesman of the underground press."

John Wilcock currently produces, writes, directs and stars in *Wait A Minute—the John and Joanna Show*, a cable-TV show, shot on location from all over the globe, available on Viacom in San Francisco, American Cable Systems in LA, and Manhattan Cable in New York.

This is the latest in a series of interviews we're running in preparation for a special issue dedicated to the life and times of Tom Forcade, the late, great founder of HIGH TIMES

HIGH TIMES: Can you tell us about the Underground Press Syndicate, which you founded with Tom Forcade?

John Wilcock: I'd just quit the *Voice* and decided to edit the *East Village Other* (*EVO*). Walter Bowart (*EVO* publisher) and I were sitting around the *EVO* office, and we realized that all these papers were starting to appear. There was *The Paper* in Lansing, Michigan and *The Berkeley Barb* and the *LA Free Press* and *EVO*, and *The Rag* in Austin, Texas. It occurred to us that we ought to have a syndicate so we could use each other's material. The only agreement was we could all swap each other's paper—we'd make sure everybody got each other's paper and we could pick up anything we wanted. We were sitting around at the typewriter wondering what to call this thing. I was brought up in war-time in Britain, when the French Resistance were the big heroes—the French Underground, you know? So somehow,



John Wilcock.



this word "underground" came out and we decided to call it the Underground Press Syndicate (UPS)

Just after we began it and set it in motion, I took off, because I was writing travel books at the time, so I was away for several months. When I got back, the UPS thing was in total chaos. *EVO* hadn't been able to attend to that kind of business as well as getting out the paper. So Bowart said, "Listen, you'd better take this whole thing back and organize it yourself." So he handed over all the UPS

files and, almost simultaneously, I got this call from Tom. He identified himself and said, "I understand you've taken over the Underground Press Syndicate again. I have all the files of all the papers down here, and I wonder if I could be of some help. Maybe we could do it together in some way, you know?" And I said, "Sure." As a matter of fact, it might be a good idea to insure that there were no rip-offs if we both run it. We'll open a UPS bank account, but we'll both counter sign checks. You handle all the details down there and I'll collect stuff up here and write a newsletter report, send you the stuff every month, and you'll print it and send it out."

That was the initial impetus for the thing. The way we financed it was, at that time, things like Time/Life were getting interested in the underground papers. So we figured we'd sell them a subscription to all the papers. All they did was pay once and they got all the underground papers. Each underground paper fulfilled the subscription and the money went to UPS.

It went on for quite awhile with Tom and I doing it. Tom eventually turned up in New York and he was so efficient at the whole thing that he just took it over. I was only too happy for him to run it all. It turned out he had this degree in business administration, which is kind of funny for an underground guy. Well, that was the early days of UPS.

Tom and I were very close in the beginning, because I was his ally before he came to New York. As a matter of fact, he told me once where he first saw my name... There had been a happening in the Village some years before—some kind of art happening at which they were going to kill some animal. This friend and I were waiting for the thing to start, and we thought, "This is ridiculous. Why are we sitting here waiting for them to come in and kill this animal?" I think it was a chicken or something. So we just left—went over the wall, grabbed the chicken and let it loose.

This was reported and Tom was really impressed by this. He thought he'd better keep his eye on me, I suppose. So we were very friendly, because from the very beginning we shared a lot of the same beliefs.

HT: What beliefs?

JW: Tom was basically an anarchist in my view—an anarchist in the best sense of the word. He had the kind of cynicism that most newspaper people have about the system. Of course, back then, everybody basically shared the same fundamental beliefs about the material things, like the war and dope and racism and all this stuff.

HT: Tell us about your role in starting *the Village Voice*? How old were you?

JW: I must have been in my early 20s. I always had a big romantic feeling about the artists' and writers' community, and I felt that Greenwich Village was the center of the universe. When I came to New York, it was 1954. I found it kind of quiet and pleasant and ideal and very attractive and very glamorous, except

LOS ANGELES FREE PRESS

NARCOTIC AGENTS LISTED There should be no secret police



Know your local Nark

that there didn't seem to be anything. I mean, there was no paper. The local paper was called *the Villager*. That's still around to some extent. It was even more boring than it is now, just tea party type coverage of the community.

I walked into Sam Kramer's jewelry store on 8th Street, because this guy looked so weird with an earring in one ear and a beard—and that was still something like *really weird*. And I said, "Why is it that they don't have a paper in Greenwich Village for the artists and writers?" And he says, "Well, why don't you start one?" Well, I'd been there about four days or something. So I put a notice up in a bookstore in Sheridan Square. It said we were going to get this paper together, and everybody was summoned to a meeting to discuss it. That's how I met Dan Wolf and Ed Fancher (*Village Voice* cofounders). The paper didn't get started then, because nobody had any money. So I went to work for *Pageant* magazine.

A year later, I bumped into them in Julius's bar and they said, "What happened to your paper?" I said, "Well, it never got anywhere. We didn't have any money." They said "We got this \$14,000 from Ed's Orange County telephone stock. So we're going to start the paper." So I quit *Pageant* and went to work for them.

I was a news editor, and said, "I'm going to do a column and it's going to be called 'The Village Square,'" because (Norman) Mailer was always talking about how hip he was, and the differences between hipness and squareness. So I thought it would be kind of a funny pun to have a column called "The Village Square." I didn't even put my by-line on it to start with. I figured I was on the front page of the first issue of *the Village Voice* with a story about folk

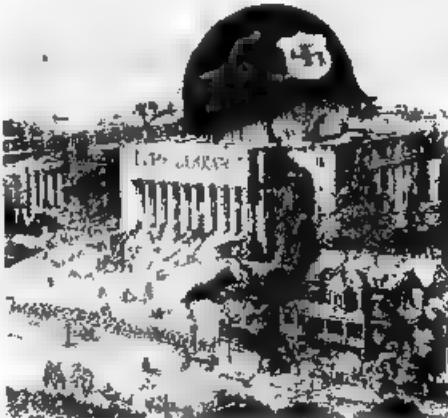
singers in Washington Square.

So we got this paper going, and of course, it started losing money from the very beginning. They couldn't even pay me. I went to work for *The New York Times* for three years, when the *Voice* was going through all these early bad phases. At the beginning of the '60s, I bumped into Arthur Frommer at a party and he was just starting to write travel books. I'd been working on the *Times* travel section, and thought "Gee, this sounds really exciting!" So I quit, and he gave me 1,000 bucks and I went to Mexico to write *Mexico on \$5 a Day*.

Going to Mexico was really a conversion to me, because I discovered Henry Miller for the first time. I couldn't believe anybody could write like Miller. It just seemed to be an incredible kind of opening up of everything. Then what happened was that Dave Solomon—you know who Dave Solomon is, of course

RAT
SUBTERRANEAN NEWS
LIBERATED DOCUMENTS
PAGE 8
May 3-16, 1968
N.Y.C. 15¢ outside 25¢

HEIL COLUMBIA



HT: I'm afraid not.

JW: Dave Solomon was the editor in 1960 of *Metronome*, which was the music magazine that catered to the druggie musicians, as opposed to *Downbeat*, which was for the straight musicians. Dave Solomon went on to write *The Marijuana Papers*, *The LSD Papers*, and *The Cocaine Papers*. Anyway, he called up and said, "Listen, there are two professors at Harvard and they're doing this experiment with these pills and if you want to come up and take the pills, we'll keep an eye on you."

Of course, it was psilocybin. I'd never heard of psilocybin at the time. Although I refused marijuana in the past... I mean, *continued on page 75*

THE east village **CINEMA**

FBI ARRESTS CATHOLIC WORKER

ILLICIT TATTOO CLUBS

TWO MEN CLAIM PLANET'S STARS



CHEF RA'S guide to JAMAICA

HIGH TIMES HURRICANE HUNTERS go on a RA-SAFARI!!

Photography by Andre Grossmann

Since 1977, I've made yearly trips to Jamaica, land of the Rasta man and home to nature's purest and sweetest ganja herbs. Last September, HIGH TIMES invited me to lead a tour of the island.

Shortly after landing, I instructed my fellow travellers to liberate themselves from their fast-paced, post-modernist lifestyle, a process I call "Reggae-i-zation." "Soon come," a popular Jamaican expression, illustrates the slower pace of this Third World country.

Of course, the major thrust of our mission was to find ganja fields. First, however, we headed for Negril, hipster-tourist capital of the island and the easiest place to score quality herb. (Although many dealers approach visitors at the airport, it's

important to avoid them.)

While truckin' down Norman Manley Boulevard (gateway to Negril), we passed the seven-mile beach and countless new hotel complexes. The blue-green Caribbean, crown jewel of the aquatic world, glistened in the sunlight.

First stop: Alfred's Ocean Beach Front, where I conferred with my fellow chef, Ayatollah.

"You're on my coffee table at home, mon!" said Ayatollah, in reference to my appearance on the cover of the November '87 issue of HIGH TIMES "Dread mash it up, mon!"

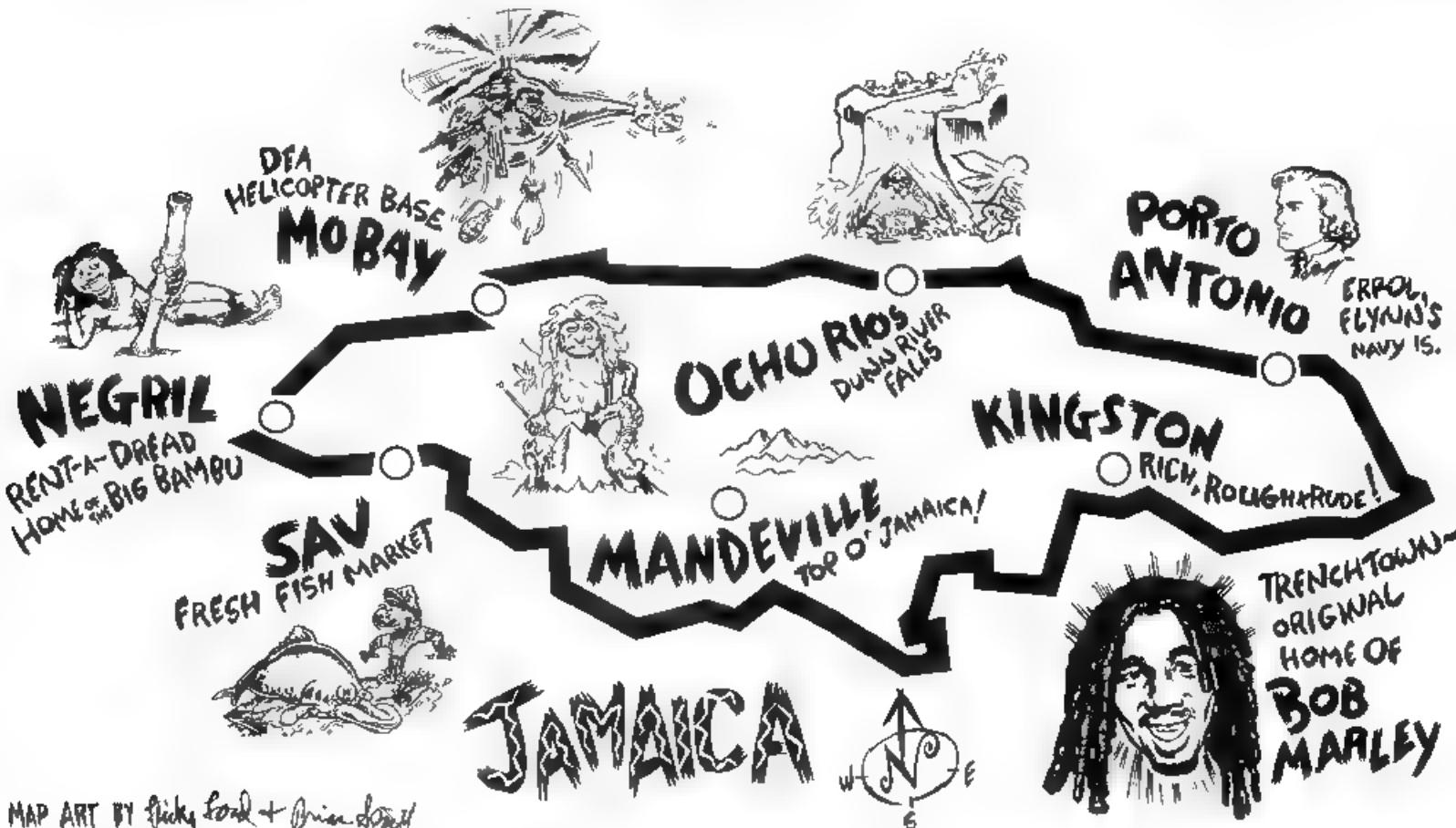
Many of my Jamaican mornings have been spent sitting at Alfred's, eating the Ayatollah's french toast and omelettes. As usual, I found the Ayatollah presiding over an

international clientele. Dr. Quality, an old friend and experienced Jamaican tour guide, joined the safari here. While in Jamaica, one is constantly approached by locals trying to be of assistance. The tourist trade is overcrowded and highly competitive, so life is a constant struggle. People have to "hustle" to realize a living. Tourists must understand everyone is going to offer their services for a price. The goal is to find someone you can trust. Dr Quality is one such person.

The Ra Safari then split into three camps, two at Xtabi, two at

continued on page 46

(Opposite page) Chef Ra never visits Jamaica without a trip to the fresh fish market at Savannah-La-Mar.



MAP ART BY Sticky Fod + Brian Gray





...some of the best sunset views in Jamaica. Private cliffside cottages went for around \$100 a day during high season.

continued from page 44

Rockhouse, and two at Summerset Village. Negril is filled with great hotels for every price range. To obtain a free listing, write the Negril Chamber of Commerce, Negril, Jamaica, W.I., or call them at (809) 957-4277.

A few hours later, the Ra Safari gang (Paul Rudolf, Dr. Quality, Steven Hager, Ed Rosenthal, and Andre Grossmann) left the hotels and headed back to the beach. The hot sun beat down on us. We needed to make a pit stop, roll a super spliff, and grab some cold Red Stripes.

Michael's Pub (located near the Fisherman's Club) is one of the best spots for beer and local color.

Fisherman's is not exactly a club, but a convenience store, patronized by the everyday people. While at Michael's we discussed our next day travel plans, which included a trip to

the seaport of Savanna-la-Mar, located on the southern coast.

The following morning, Ra rolled a huge spliff, and declared: "Off to the market!" So we packed the rental car and headed south. It was on this road that we picked up the first of eight

factures we would have on the trip. No problem. We replaced the tire with our spare, and had the hole plugged at the first gas station we passed (cost: \$5 American).

As soon as we pulled into the parking lot at the marketplace, we were surrounded by friendly people who wanted to fulfill our every need. We quickly proceeded into the market. Tourist centers like Negril don't have anything to compare with Jamaican markets like the one at Savanna-la-Mar. Few tourists come here. The market is rich in fruits,

continued on page 48



CHEF RA'S guide to NEGRIL

SIGHTSEEING

Some of the hottest clubs to hear reggae music are: Kaiser's Cafe, the Tree House, Club Kacoha, and De Bus.

RESTAURANTS

Pete's (excellent fish, lobster and traditional Jamaican cuisine); Ray's Ital Vital (Rasta Ital cooking located in the craft market); Pee Wee's (great food and lovely sunset view from the cliffs); The Hungry Lion (vegetarian and natural foods); Alfred's Ocean Beach (best breakfast); Xtabi (for sophisticated Jamaican dining); Cosmos (for beach dinner, especially fresh fish); and De Bus (unusual herbal jerk sauce).

ALTERNATIVE GRUB

Juicy's (herbal love potions and organic teas); The One-stop (located in the center of town, serving late-night ackee and peas); the Soup Carts (which move around town, serving cheap, filling soups); the Original Jerk Chicken Wagon (serving spicy chicken all night long and usually located near the center of town); also check out the bakery located inside the supermarket for great Jamaican patties, vegetarian and meat.

GANJA

Scoring primo bud in Jamaica isn't hard. It's best, however, to deal with an herbsman who has provided you with killer bud in the past. Here is a rule of thumb for rookies: Don't cop on the beach. It is probably sucker-come-on herb. Be patient and deal with the ganja merchant in your area or hotel. Ganja is illegal. If you are caught with large amounts, you may find yourself in the local jail. Be discreet. Do not smoke in restaurants, hotel lobbies, or on the beach. The safest place to smoke is your own room.

continued from page 46

vegetables, and fresh fish, brought in daily by Rasta fishermen. I always shop here to provide the fans with a fresh meal back in Negril (see sidebar: Pan-Fried Jack Fish).

After a day of rest, we made our first thrust into the Jamaican hill country. Unfortunately, because of the current situation in Jamaica, we cannot reveal the location of any ganja fields. Our trip lasted several hours and involved climbing heavily rutted dirt roads. Before long, our sewing machine engine rent-a-wreck was smoking and overheating. Our driver, Paul, drove up steep hillsides like a man possessed, a fat joint hanging out of his mouth. As we reached the top of the mountain, we spied a pair of donkeys tethered alongside the mountain path. A grey-haired Rasta man leapt out of the weeds and confronted us with a big smile.

"Peace and love," he said. "What may I do for you, mon?"

"I am searching green field of Jah herb," I answered.

"Come wid me down the road," he said.

We followed the mountain dread through a field of sugar cane, down to a small, dirt floor shanty shack. He invited us in and fed us on bananas, mango, fresh papaya, and sugar cane. "I have little, but I am a very

happy man," said the Rasta.

We bid him farewell and continued on our mission. Huffing and puffing, we crawled our way down a steep, muddy slope. Suddenly, I spied a few plants. The ganja began to appear out of nowhere. Soon, we settled in and began smoking mass quantities of ganja. We discussed farming techniques, fertilizing, cloning, and cross-hybridization. Unfortunately, Jamaican farmers do not believe in the use of any fertilizers, chemical or organic. Since they are located in the tropics, they have only a thin layer of red topsoil, most of which has become seriously depleted of nutrients. Even though they have an abundance of dead organic matter (as well as a large number of bat caves), they make no compost and manufacture no organic fertilizers. Consequently, they have the lowest productivity of any farmers in the Caribbean.

The afternoon was full of good vibes, but the safari gang was getting nervous sitting in a large field of ganja. Visions of DEA helicopters danced in our heads. Rambo business.

"Quick, back to Negril."

So up the hill we went to the car, and then down the mountain, riding off to the west, back to the home base. ■



Breakfast at Alfred's Ocean Beach with Chef Ra and Chef Ayatollah.

PAN-FRIED JACK FISH

**Two-pound jack fish fillets
(one per person)**

**2 cups flour
1 medium yellow onion
1/2 green pepper
Fresh hot peppers (small red,
yellow or green)
1 cup vegetable oil
3 crushed garlic cloves
Salt and pepper to taste**

Clean fish under running water. Put moistened fillet in brown paper bag with flour, pepper and garlic. Shake. After fish has a light coating, place in pan of hot oil and cook until golden brown. Toss green pepper, onion and hot peppers in frying pan and grill until cooked. Serve on top of fish, along with fried potatoes and tomatoes.



Rasta Recipes

Ganja Cake

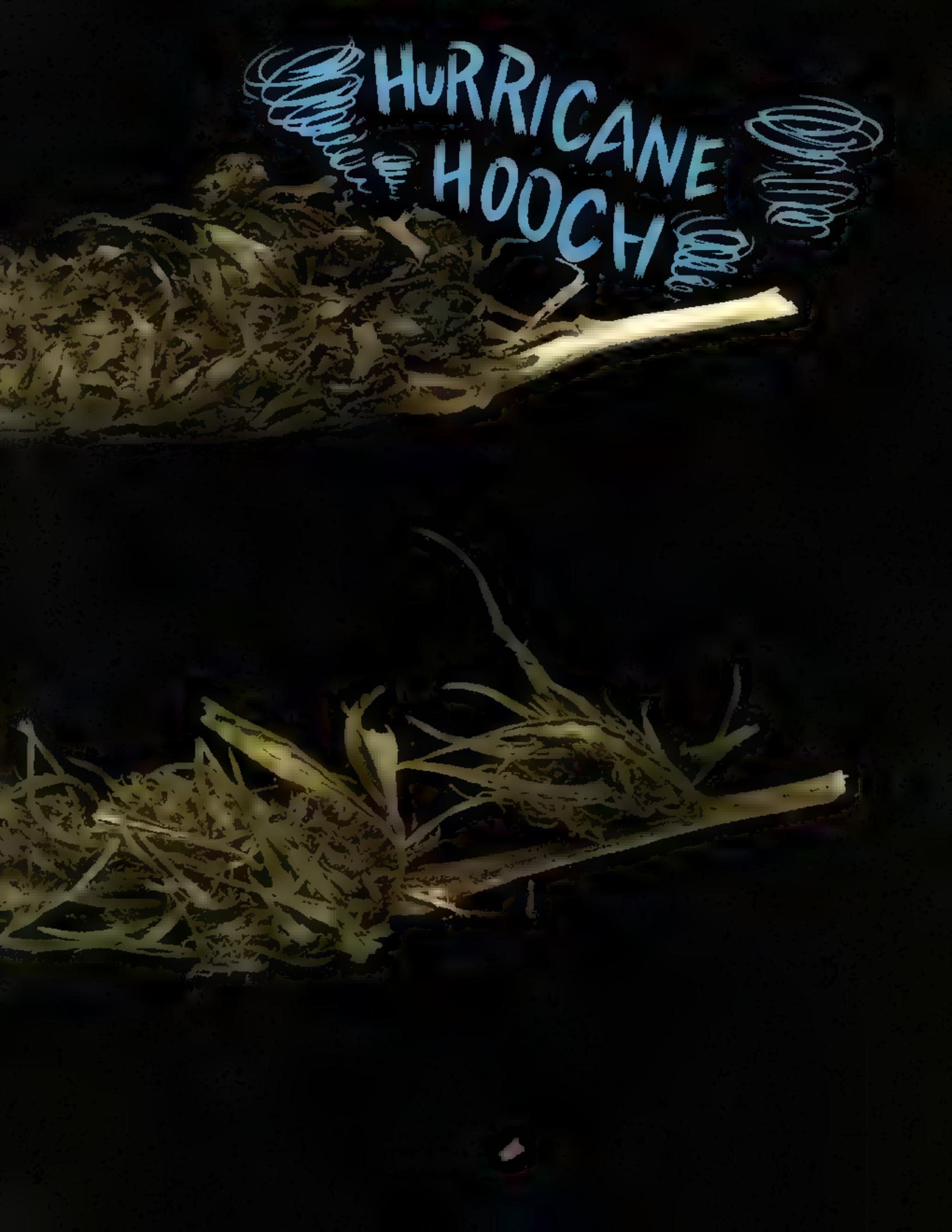
**2 cups flour
3 teaspoons baking powder
1 1/2 teaspoon nutmeg
1 stick butter
1/4 ounce fine sinsemilla
1 egg beaten
3 bananas
1/2 cup milk
1 teaspoon vanilla**

Clarify the butter and mix with sinsemilla. Set aside. Mix together nutmeg, flour, baking powder in small bowl. Cream butter and sugar, and mix until smooth. Add egg and bananas (mashed into a paste). Mix until very smooth with butter and sugar. Pour in milk, add vanilla, and then pour mixture into greased cake tin. Bake at 350 degrees for 45 minutes or until brown.





PHOTOGRAPH BY ANDRE GROSSMANN



HURRICANE HOOCH

BY
JONATHAN

BY ED ROSENTHAL

ANSWERED

PLANT OF THE MONTH



It's July in California. This plant came up a volunteer (Oops, I must have dropped a seed.)

NORMLY yours,

—Leroy Beans, Knott's Berry Farm, CA



Here is an August 1 picture of my little plot. I thought my method of concealment might be of use to others. I took down an old stone wall, put down 2 large cubes of soil-less mix and built the wall back up around them. In the middle of May, I put eight six week old plants (four each) into holes cut into the tops of the cubes. I used a mild 5-1-1 fish emulsion for a month and then went to a 20-10-10 at half-strength every fourth watering. This solution was supplemented a few times with an iron and trace element additive. In mid-June, four plants showed their male flowers and were removed. That left two plants in each cube, a perfect fit. I then went to a 10-30-10 half strength every third watering.

The seeds were ninth generation *indica-sativa* cross that has been bred locally. The garden is between 42 and 42

continued on page 57

OUTDOOR GARDEN OF THE MONTH





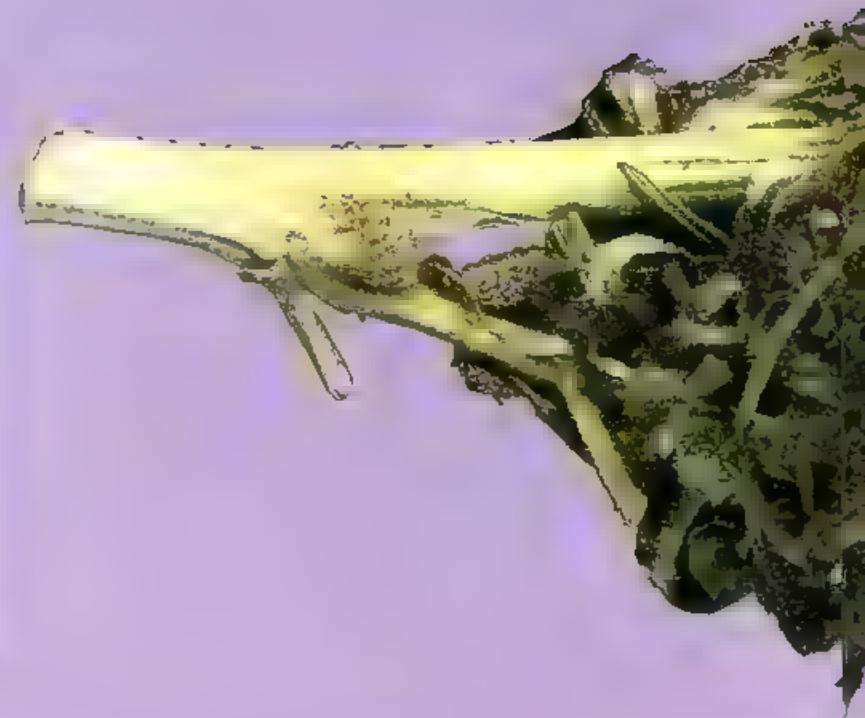
S M T W T F S

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



S M T W T F S

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				



S M T W T F S

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	



S M T W T F S

						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29



MM

MM

S	M	T	W	T	F	S
			2	3	4	5
7	8	9	0	1	2	3
4	5	16	7	8	19	20
21	22	23	24	25	26	27
28	29	30	31			

S	M	T	W	T	F	S
					2	3
4	5	6	7	8	9	10
1	2	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	



S	M	T	W	T	F	S
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



S	M	T	W	T	F	S
						1
						2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

S	M	T	W	T	F	S
			1		2	3
4			5	6	7	8
9			10	11	12	13
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Customizable

S	M	T	W	T	F	S
						1
						2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



BUD OF THE MONTH

We have a double winner for Indoor Garden and Bud of the month. The climate's right in Dayton, Ohio
Chink, Dayton, OH



GARDEN OF THE MONTH

Polymers—

Indoor Grower's Friend ,
Outdoor Grower's Dream

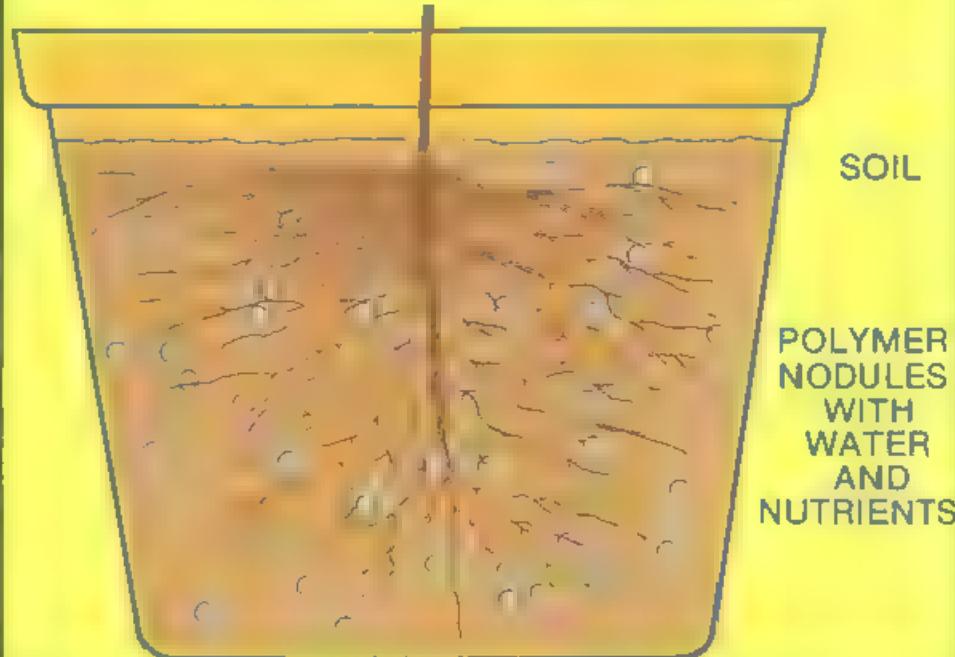
by Dr. Zee



WITHOUT POLYMERS

WITH POLYMERS

ROOT SYSTEM IN POLYMER-MIXED SOIL



Thanks to science, the next few years will mean better times for growers, outdoor and indoor alike. Super absorbant polymers, a significant high-tech advancement, are now available to everyone. These polymers absorb water and nutrients and retain them for release upon demand. Polymers can absorb three to four hundred times their weight in nutrient laden water. Adding polymers to the growing medium can increase yield up to 50%, while significantly reducing watering demands.

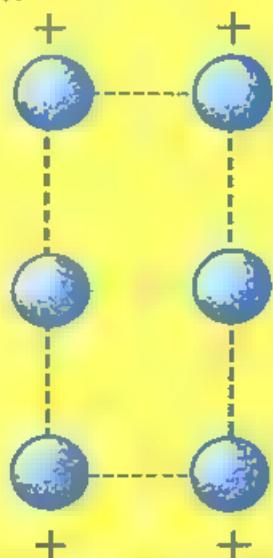
Watering too much or too little has plagued growers with poor yield, mold, root rot, and plant death. Many of us have lost crops due to missed waterings. Should an emergency arise, as they sometimes do, and you have to leave your plants, whom do you trust? You can trust polymers. They won't rip you off, snitch on you, or neglect your plants.

Polymers are pH neutral and will eventually (in 5 years or so) break down. The honeycomb structure of the membranes swell as they absorb moisture and then release it upon demand. This unique feature reduces watering as much as 50%. If you have ever lugged water to a remote growing area, you know what good news this is.

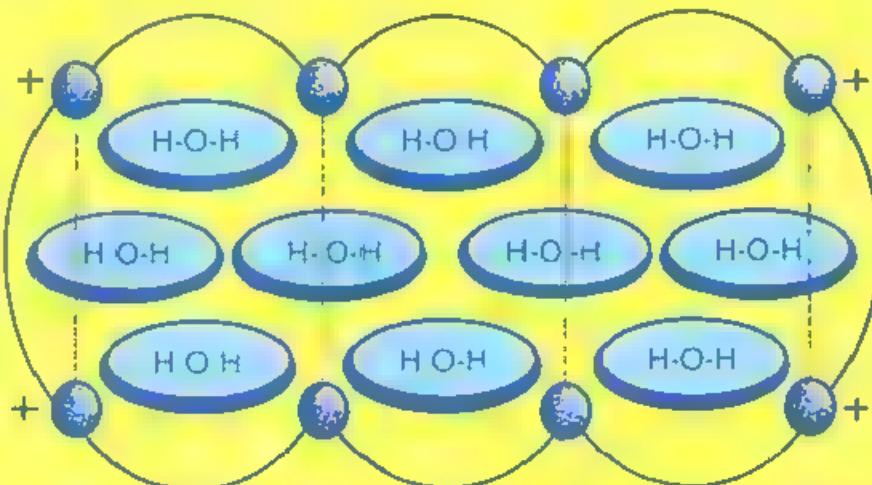
Polymers look like crys-

TYPICAL POLYMER MOLECULE

Each polymer molecule has in its structure two main parallel groups of atoms which are periodically joined by connecting links (cross-links) as shown below:



When water is added, an electro chemical repulsion takes place which causes the main branches of the molecule to repel each other like poles of a magnet. As this happens, water is drawn in between the branches resulting in a rapid swelling of each particle and a rapid absorption of water as shown:



LIKE POLARITY PARTICLES REPEL, BUT ARE PREVENTED FROM EXPANDING TOO FAR BY THE CROSS-LINKS (|).

tals when dry; when wet, they swell and retain moisture and nutrients. Without polymers, most of the water runs off too quickly to be absorbed by the root system. With polymers, water loss through evaporation is virtually eliminated. Polymers retain and release 90% of the moisture added to the soil.

Before adding polymers to the soil, they should first be soaked for between five and 15 minutes. Follow instructions for the proper mixture of soil and polymers. Water the plants normally for the first two or three weeks to allow the polymers to swell and the root system to attach. After this period, watering can be reduced to once a week or

once every other week.

For potted plants already growing, puncture 10 to 12 dime-sized holes in the soil five to six inches deep, add a spoonful of polymers (soaked), then fill with soil, and water. Ideally, you should pre-mix the soil and polymers.

This grower has had excellent results using Broodleaf P-4, which is available, along with other brands, through most nursery outlets. Other brands are likely to be just as good.

Polymer-mixed soil stays aerated, resists hardening and packing, and eases root growth. The new polymers resist decomposition which makes their use cost-effective and efficient. Try it, you'll like it! ●

TECHNICAL DATA SUPPLIED BY ADVANCED COMMERCIAL RESOURCES, INC.

Polymers are available at many gardening centers. They can also be ordered from the following companies:

Advanced Commercial Resources, 3989 Hialeah Drive, Cleveland, Ohio 44134, (216) 842-6925.

The Urban Farmer Store, 2833 Vicente Street, San Francisco, California 94116, (415) 661-2204.



Grow Wild Mushrooms Forever With The **HOMESTEAD** Mushroomkit

A decade ago, the Homestead Book Company introduced the first **Psilocybe Cubensis** Mushroomkit. Since then thousands of people have learned the joys of cultivating your own mushrooms.

Each Homestead Mushroomkit includes a life time supply of fertile spores and two pounds of our rich high-yield compost. You also receive supplies, reusable tools, and ten pages of instructions from Bob Harris' book **Growing Wild Mushrooms**.

TOLL-FREE ORDER LINE
800-426-6777 CREDIT CARDS
ONLY. (except WA, AK, and HI).
All others please call
(206) 782-4532.



**HOMESTEAD BOOK
COMPANY**
Serving You Since 1972.

THE MUSHROOM CULTIVATOR
by Stamets and Chilton. A virtual encyclopedia for serious mushroom growers, with over 400 pages of detailed information and photos.



- Deluxe Psilocybe Cubensis Mushroomkit \$50
- Spore Print... millions more \$25
- THE MUSHROOM CULTIVATOR —Highly recommended \$25
- GROWING WILD MUSHROOMS ... Simple guide \$9
- MUSHROOM CULTIVATION ... Video \$99

Total Enclosed _____
VISA ____ MC ____ Expires _____
Card Number _____
Signature _____

Name _____
Address _____

Washington residents add sales tax. Foreign add 20% US Funds. Money Orders processed fastest. Sold in fine stores, too.

HOMESTEAD

P.O. Box 31608 Seattle, Wa. 98103

(206) 782-4532

Dealer Inquiries Welcome

MAGIC MUSHROOM CULTIVATION: THE VIDEO



Now you can learn the secrets of successful mushroom cultivation directly from the experts at Homestead Book Company.

Beginners with no prior knowledge can experience the magic of mushroom cultivation.

Seasoned cultivators can see professional techniques firsthand, up close.

Slow it down, watch it over and over, until you have mastered the techniques.

Prepared by one of the world's experts, this video provides step-by-step visual training in mushroom cultivation.

Watch them grow from Spore to Mushroom in Living Color!!

Special Introductory price, \$99. VHS, 90 minutes.

VISA and Mastercard orders call toll free, 800-426-6777, in Washington call (206) 782-4532. See coupon on facing page.

ASK-ED

continued from page 52

30° N. lat., at an elevation of 1400 ft. Each year, the earliest flowering male is used to breed with the earliest flowering female. The results are that these plants begin flowering in early July and are harvested from late August through September, long before the frost and hunting seasons.

I will be hand-pollinating in a few weeks, using my best looking male stud (in another area) and selected buds on my earliest-flowering female. Yields range from 1.5 to 2.5 lbs. per plant. It is an astral sativa high, one toke, two tokes max. A beehive between your ears!

Also, these plants got direct sun for 14 hours a day on August 1 and have been flowering since July 7, when the days were even longer.

This picture (pg. 52) is a California Big Bud that just started to show female sex. All factors being the same, you can see that it is six weeks behind the other three plants. I have a Big Bud male going and will pollinate when the time comes. I also plan to cross my early flowering strain male with it.

Thanks for the "Tips."

Truly yours,

— "Stonewall" Jackson
Western MA

OUT IN THE COLD RAIN AND SNOW

Dear Ed,

What types of winters can marijuana seeds survive?

Love,

—The Breeder
South Jersey

Hemp seeds dropped by feral plants in the midwest readily survive 0 degrees F. temperatures and generally foul winter weather.

Marijuana seeds kept in a freezer for extended periods of time retain their vitality.

AMMONIUM FOR HYDROPONICS?

Dear Ed,

A fertilizer manufacturer claims that its hydroponic plant food is ammonia-free and is a must for hydroponic systems. How true is that claim?

—Jack Death
Windsor, VA

Many texts on hydroponics state that only non-ammonium formulas should be used. They claim that since ammonia is so readily available to plants, they tend to grow longer internodes and weaker stems.

Some hydroponic fertilizers do con-

tain ammonium, but plants still grow well. Not using ammonium is most important when a garden is warm. Plants have a tendency to stretch under hot conditions. Ammonium accentuates this tendency.

ED'S COMPLAINT

I was in the HIGH TIMES office the other day, and John Holmstrom was totalling the contributions to the NORMLTHON that the magazine sponsors. John was encouraged by the total, a little less than \$2,000. I was appalled. HIGH TIMES has about half a million readers, and they gave an average of just over one-third of a cent each. This is horrendous.

Every month I receive letters complaining about NORML's lack of action. But how can an organization function without a budget? NORML is the only national group that represents the marijuana user, yet its own constituency—which regularly pays \$300 an ounce to get high—contributes just over a third of a cent to the people trying to keep them from getting busted! This is absurd.

NORML functions on a budget smaller than the incomes of some of our readers! Marijuana smokers should have more respect for themselves and the people trying to help them. If NORML had a larger budget, let's say \$50,000,000 a lot of the anti-pot legislation making its way through the government would be eliminated. With a budget of \$50,000,000—about a dollar per user—marijuana would be legal within a few years. When are you all going to wake up? You cannot sit back and expect positive change to take place. You must help.

During the NORMLTHON, I asked people to voluntarily send in \$1 with their questions. Most of you were too cheap to even do that. The reality is that if we want to stop the cultural genocide now taking place, we have to stand up for our rights. Supporting NORML is one way of doing this.

GIVE AN OUNCE. That's right. Each grower, smoker and dealer should give the dollar equivalent of an ounce of weed. Whatever an ounce of the weed you grow, sell or use costs, give that each year. If you spend \$70 on an ounce, give that. If you spend \$300, give that. It doesn't all have to be done at once. You can send a little each week or month. But if you don't contribute, the laws will never change, and we will all be subject to cultural genocide.

Think of your contribution as sort of insurance. It is still cheaper than hiring a lawyer when you get busted. If you are paranoid about having your name on a list, you can still give anonymously, so that is not an excuse. You can send checks payable to NORML to me, I'll make sure they get them.

Don't disappoint me. Send your money now. NORML needs it.

continued on page 59

NUTRIENTS

Use Only The Best

Exact quality control for soil or hydroponics
proportionate chelated micro elements
Self-adjusting pH stays balanced

100% soluble powder concentrate

ORDER NOW!

No of lbs	Foliar Spray Root Stim. & Flower Addns.	No of lbs	Vegetative
<input type="radio"/>	32 10 10	<input type="radio"/>	20-6-16
<input type="radio"/>	25-0-25	<input type="radio"/>	20-10-20
<input type="radio"/>	Root Booster 10-55 10	<input type="radio"/>	Bloom Booster 9-30-12
		<input type="radio"/>	6-30-30

One lb \$9.95/3lb \$24.95/ + \$2 P&H
Indicate no. of lbs in circles above

NAME _____

ADDRESS _____

SEND CHECK OR M.O. TO

Foothill Hydroponics

10750 Burbank Blvd. N. Hollywood Ca. 91601
Chemicals separately available upon request
For more info call (818) 760-0688



WHIRLING LIGHT TURRETS

The Original Automatic Light Rotator!

- ADJUSTABLE-GETS LIGHTS WITHIN AN INCH OF PLANTS WITHOUT BURNING
- WORKS WITH ANY SYSTEM
- COVERS AREAS 8' SQ MIN. TO 14' SQ MAX.
- LIFE TIME GUARANTEE ON ALL PARTS - MOTOR 1 YEAR GUARANTEE
- TWO MINUTE CYCLE
- SOLD AT MOST INDOOR GARDEN STORES

Best Buy for the Doller **\$119.00**

For more information write or call:

THE REED COMPANY
16714 S MERIDIAN ST. #239
PUYALLUP, WA 98373
(206) 847-7601 IN WA



1-800-826-8259

DETECT PLANT SEX

Don't Waste Growing Space
Get Rid of Male Plants.

GROW ONLY FEMALE PLANTS

Each Female Plant Detection Kit Contains Everything You Need to Detect the Sex of Ten Plants

WORKS ON ALL PLANTS



- Just Starting or Full-Grown
- Outdoors or Indoors
- All Seasons

100% EFFECTIVE

SATISFACTION GUARANTEED OR YOUR MONEY BACK

RUSH ME

<input type="checkbox"/> 1 KIT \$7.95	<input type="checkbox"/> 4 K TS \$19.95
<input type="checkbox"/> 2 KITS \$13.95	<input type="checkbox"/> 8 K TS \$34.95
<input type="checkbox"/> 100 KITS \$345.00	<input type="checkbox"/> 20 KITS \$79.95

NAME _____
ADDRESS _____

Diesel Botanical Research and Study Group
P.O. Box 7665, Stanford, CA 94305
NOW AVAILABLE IN EUROPE, TOO
Ask for one at your local shop.

PSYCHEDELIC CHEMISTRY



PSYCHEDELIC CHEMISTRY

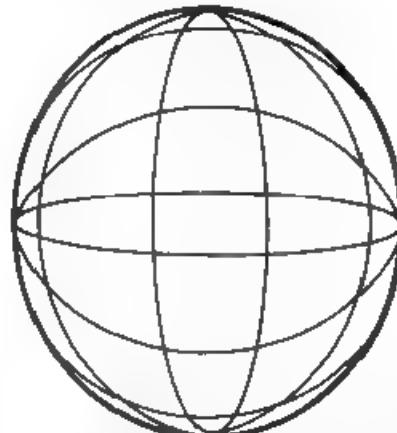
by Michael Valentine Smith
5½ x 8½, 204 pp., illustrated, soft cover.

The best and most complete book ever written on how to manufacture drugs! Out-of-print for years, now available again in a completely revised and updated edition. THC, Magic Mushrooms, Mescaline, Harmaline, Muscimole, LSD, Cocaine, and much, much more! Use the handy coupon below to order your copy today - you will be very pleased we know.

Loompanics Unlimited HT8
PO Box 1197, Port Townsend, WA 98368
Please send me copies of PSYCHEDELIC CHEMISTRY I have enclosed \$14.95 per copy plus \$3.00 for shipping and handling
Name _____
Address _____
City _____
State _____ Zip _____

INTERNATIONAL GROWER REPORT

by Ed Rosenthal



A few months ago a reader wrote that he used No-Pest Strips to eliminate insect pests and mites in his garden. Then Don Jackson of Nature's Control wrote a letter warning of the danger of using these insecticide laden devices. The May '88 issue of *Consumer Reports* has issued a warning not to use them.

According to the article, the National Cancer Institute has conducted studies showing that the active ingredient in the strips, 2, 2-dichlorovinyl dimethyl phosphate, causes cancer in animals and may damage the liver and nervous system.

The lifetime exposure to the chemical, which is commonly known as DDVP or Vapona, increases chances of contracting cancer by 1 in 100. Dogs and cats wearing DDVP-laden collars had a 1% increase in risk, too. The collars also increased the owner's risk. Sprays containing DDVP are also dangerous.

For safety's sake avoid any pesticide containing 2,2-dichlorovinyl dimethyl phosphate.

ASK-ED

continued from page 57

LIQUID SUNSHINE

Dear Ed,

I recently read an article about a vitamin concentrate called "Liquid Sunshine", which is diluted in water and is applied as a foliar spray. The author of the article claims that it promotes extremely lush vegetative growth and extremely profuse heavy flowering. He described a 12-foot corn plant yielding 20-25 ears of corn.

I have not been able to find it locally. Do you know where it is available?

Thank You,

—PH

Merrick, NY

Never heard of it. Maybe a reader knows something about it.

DRY UP OR DRY DOWN

Dear Ed,

In the Sept. '88 HIGH TIMES, several people wrote in about hanging plants to dry. You said to cut the plants into manageable-sized branches and then hang them to dry. Should they be hung up or down?

—Edith

Town withheld, WA

THC is produced near the site of the glands on the leaves and the buds and does not migrate. No matter which way the plants are hung, the THC will remain where it was produced.

When the plants are hung with buds pointing up, the fan leaves spread out and are easier to manicure. When the buds hang down, the leaves protect the buds and help stop THC glands from falling off.

LIGHT AND MEDIUM PROBLEMS

Dear Ed,

I have 75- and 50-watt Gro and Show bulbs and I use an inert soil of redwood and fir shavings and sand. The leaves turn bronze on the larger plants and burn on the smaller ones. What is the matter?

—Rookie

San Diego, CA

Wood shavings are not inert. They have non-neutral pH and they lack nitrogen. The wood uses some of the nitrogen from the fertilizer as soon as it comes in contact with it. This causes both fertilizer imbalance and pH problems. Incandescent bulbs emit an imbalanced light spectrum. Plants have a hard time under it, and grow spindly. They are also inefficient, as they emit about 1/3 of the light of a fluorescent, per watt.

Our Customers Say That We Have:
The Largest Selection
The Quickest Service
The Nicest Catalog
The Best Prices

We Sell More Than Just:

Halides & Sodiums

Natural & Commercial:

Pest Controls, Fertilizers

Growing Mediums

Climate Controls:

Thermostats, Rheostats

Fans & Blowers

Watering Systems

CO₂ Systems



...over 30 pages of values!

High Light Enterprises Call For Order or Free Catalog

1-800-342-1981



Eugene, Oregon (503) 342-1981



10 a.m. - 6 p.m. PDT



SUPER SATIVA SEED CLUB



EXOTIC SEEDS FROM AMSTERDAM

F R E E

THE MARIJUANA SEED CATALOG

33 COLOR PICTURES

TOP QUALITY MARIJUANA SEEDS INDICA S. SATIVA'S

AND HYBRIDS

U.S.-TOP STRAINS AND EXOTICS

CAREFULLY BRED FOR INDOOR AND OUTDOOR

GROWING

MARIJUANA SEED BREEDING AND PRODUCING

IS OUR PROFESSION

YES! PLEASE SEND ME A FREE
COPY OF THE MARIJUANA
SEED CATALOG

NAME _____

ADDRESS _____

TOWN _____

STATE/ZIP _____

SEND VIA AIR MAIL TO

S.S.S.C. - POSTBUS 1942

1000 BX AMSTERDAM - HOLLAND

DISCRETION ASSURED

A N E W A G E S E R V I C E

ASK—ED

LOOSE BUDS

My last two crops had dense, tight buds except for the top two or three inches on the kolas. For some reason, halfway through the flower cycle, the tips begin to grow rapidly and form very few calyxes. It ruins an otherwise perfect kola. Can you help me?

—Mr Stink E Basement
Salt Lake City, UT

The buds were probably suffering from a change in temperature as they grew nearer the light. Another possibility is a change in fertilizer regimen.

LPS LIGHT

I would like to use a low pressure sodium light (LPS) for my garden. Would a four-foot 180-watt LPS be sufficient for good vegetative and flowering growth?

—Advice Needed
Greensboro, NC

LPS lamps emit light only in the 680-690 nanometer spectrum, a thin band of orange light. Although plants can use this light, it must be supplemented with light in the red and blue bands. This lamp cannot be used alone.

TIME LIMIT

Dear Ed,

I am starting an indoor garden using a 400 watt metal halide (MH). The plants will be grown in a mix of topsoil, pea gravel, vermiculite, peat moss and composted manure. I have only 4 months to grow.

What should the lighting schedule be? What size container should I use? Should I fertilize them?

—Name Withheld
Gunnison, CO

If you have only 16 weeks for the first crop, run the light continuously for the first four to five weeks. The plants should be 12-15 inches by this time. Then cut back the lighting to 12 hours per day until the buds have filled out, approximately six to eight weeks. Ripen them up under 14 hours of darkness per day for another week or two.

The plants should be spaced four per square foot, so six inch containers can be used.

Make sure that the mixture has a pH in the low sixes, so that the nutrients in the mix are available to the plant. When the plants are phased into flowering, the plants should be fertilized with a water-soluble flowering formula.

continued on page 68

Plant Hormones
Amazing Results
Totally Unique
Absolutely Safe



Plantastic
PLANT
PRODUCTS

Do you want more female plants with virtually no extra effort?
Do you want to maximize your yield within the space you have?
Do you want a product that works in soil or hydroponics, indoors or out?
Are you using any plant hormones now?

SENSA-SOAK

A germinating fluid to promote more female plants from the very beginning. At cell division these seed Up to 95% females produced in some tests. Contains a special cytokinin. Just soak your seeds 35 ml. \$9.95

SENSA-SPRAY

A toner spray to increase female flowers and decrease male flowers. All it takes is to spray before the plants start blooming. Produces ethylene to force feminine traits.

1 qt. conc. \$9.95

POWER BLOOM

Shortens vertical height, eliminates wasted plant energy. Encourages lateral growth. Produces compact, sturdier plants with better overall vigor. Promotes more females with more numerous, bigger and earlier maturing buds.

2 qt. conc. \$14.95

LARGER SIZES AVAILABLE

Quick, send me a free catalog with more information.
Add \$2.00 Shipping and Handling Per Order No COD

Mail to:

PLANTASTIC PLANT PRODUCTS
1442A Walnut St
Berkeley CA 94709

UR Call 24-hr Toll Free Number
Nationwide 800-227-1617 Ext. 453
In California 800-772-3545 Ext. 453

Put your plants in the best light.

With our exclusive Mini-Might Grow Lights.

Our popular HPS150 uses a high pressure sodium lamp with an ideal color spectrum for budding and flowering. Costs only 15¢ a day to operate.

Our new MH175, with a metal halide lamp is perfect for all stages of plant growth. Only 18¢ a day to run.



SALE
PRICE
EACH \$99

Reg.
\$139
PLUS
\$5.00 shipping
anywhere in U.S.A.

VISA
MasterCard

See complete product listing inside front cover.



ENERGY SAVERS UNLIMITED, INC.

22138 SOUTH VERNON AVE., C, TORRANCE, CA 90502

Call Toll Free: (800) 421-2994 (outside California)

(800) 538-3400 (in California)

ONE YEAR PARTS & LABOR GUARANTEE —
30 DAY MONEY BACK GUARANTEE — MOST
ORDERS SHIPPED IN 24 HOURS C.O.D.
ORDERS WELCOME — NO DEPOSIT REQUIRED
QUANTITY PRICES AVAILABLE CALL
FOR FREE CATALOG

PROFESSIONAL GROWERS RECOMMEND

THE SEED BANK
of Holland

THESEEDBANK

Supplier of premium quality cannabis seeds.
The future is now.



'Just Say Yes'
to our Full Color

FREE

1988 CATALOGUE

We have some of the most potent and resinous varieties in the world, including NORTHERN LIGHTS, BIG BUD, SKUNK # 1, HASH PLANT, and G-13. Also, we have super quality RUDERALIS HYBRIDS for the Northern grower. What you're growing should be the best you've ever smoked. Every grower can benefit from our collection.

NEW Exotic equatorial Sativas, hybridized with our best indoor Indicas, producing plants of astounding quality for the connoisseur

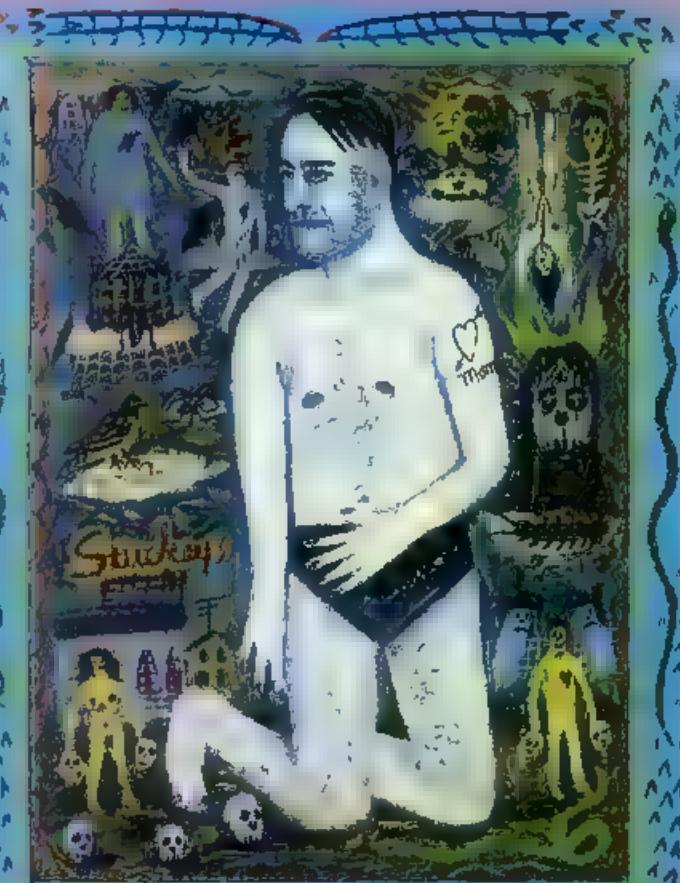
**The Seed Bank
Postbus 5
6576 ZA Ooy
The Netherlands**

HIGH ART

by Carlo McCormick



Adah Menken
Adah Menken, pastel, colored pencil & acrylic on slate, 12" x 9", 1988.



Ed Gein
Ed Gein, pastel, colored pencil & acrylic on slate, 12" x 9", 1988.

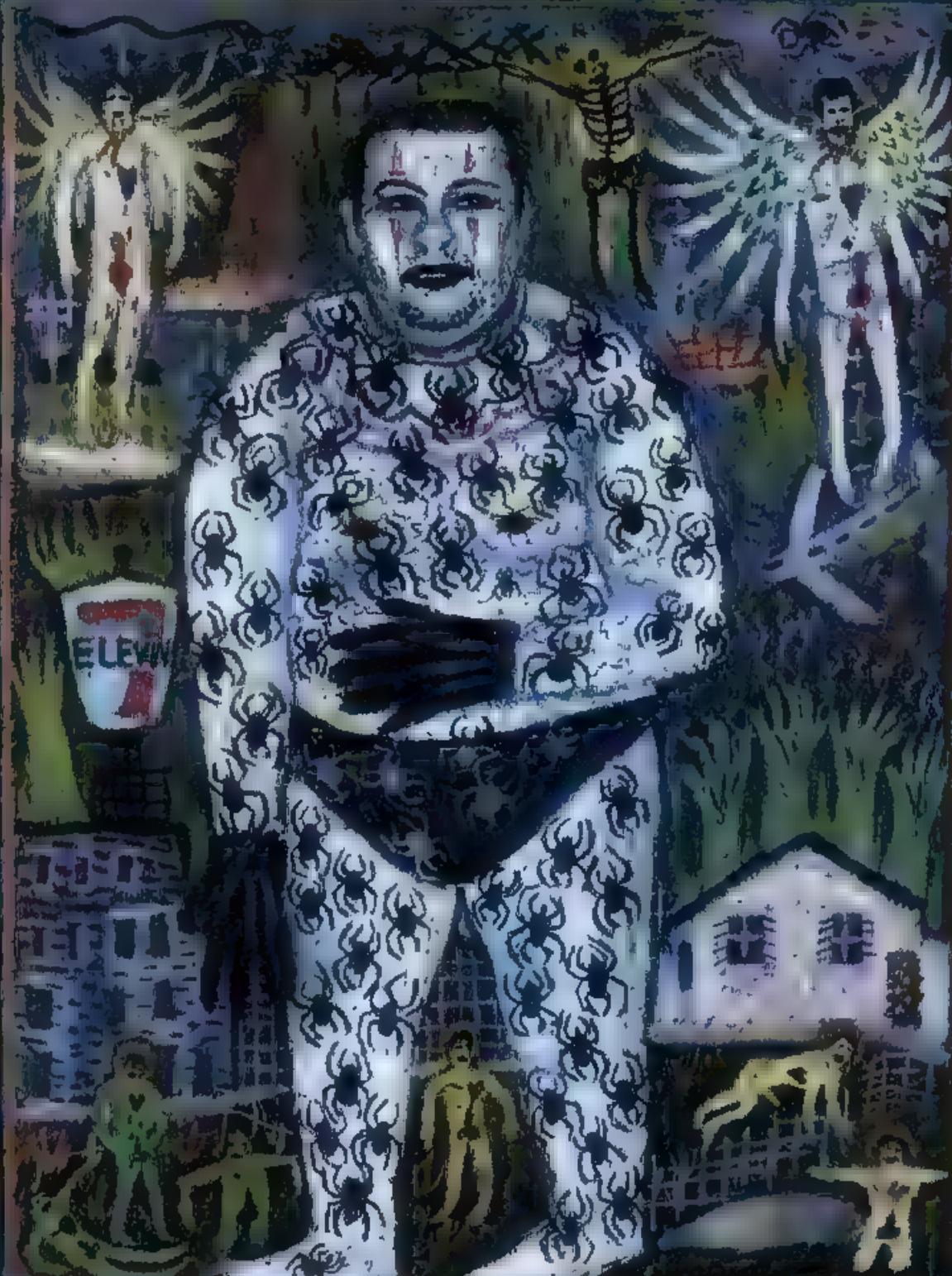
Tony

In our "just-say-no" age of zero-tolerance law enforcement, when twenty million plus of us are being politically and socially stigmatized just because we smoke pot, it is interesting for us to re-examine the role of the "criminal" and how that outcaste category functions within the larger territory of the social order. This month, High Art features Tony Fitzpatrick, an artist of great vision who peers with humanist insight into the soul of our culture's outcasts. Whether he is portraying whores, drunks, topless dancers, sideshow freaks, murderers, or just ordinary down-and-outs from

around the neighborhood, Fitzpatrick portrays them with compassion, believability, and unpretentiousness. Part voodoo art and part social realism, his spicy stew of mystic visions, insane delusions, and socio-anthropological observations evokes the terror and the trauma of our gravest transgressions without the condescending, sensationalist or glorifying tone that colors most perceptions of the lawless, "outsider" breed.

Fitzpatrick's freak show on parade is only a stroll down Mainstreet USA, where the line between that normal-guy-next-door and the monster acting out our darkest fears and fetishizations is but a fragile membrane in the collective conscience. Perhaps we need these

bogeymen/scapegoats more than we think, to inhabit our heart of darkness so that we can draw a fictional border between their taboo world and our own officially sanctioned one, to be the sacrificial anti-heros, the cathartic martyr/monsters that release our pent-up rage and denied desires. Maybe Fitzpatrick can understand the criminal outsider because he once was one, but this ex-con turned phenomenally-successful artist/writer/actor/radio personality (WLUP-AM 1000, Chicago) understands a lot more about life and hope than can be found between the walls of a jail cell. Those interested in how Fitzpatrick portrays the law can see him in just such a role in Jonathan Demme's new movie *Married to the Mob*. ♦



JOHN WAYNE GACY

John Wayne Gacy, pastel, colored pencil & acrylic on slate 12" x 9", 1988.



the 1988 reader's Harvest Report





It seems like the "Drought of '88" wasn't as destructive to the nation's marijuana crops as was first feared. Sure, it made going rough on all you Guerrilla Growers; but your reports showed that, despite tired feet, aching backs, and drought (not to mention the more far-reaching efforts of the Reagan Administration's War on Drugs), this year's crop should be a feast for the eyes and head!

—Edie Barrett

CALIFORNIA

Greetings from Southern California! The surf isn't up where I'm at, and we're sweating out the annual dry season with typical Mexican and a little stash from last year's harvest. Any of the "goods" have been scarce and expensive. A surprise pop-up from an Alaskan strain has found a place in our lungs and our grow rooms. Our seventh generation Alaskan G100 wenches may be Harvest Report material. Aside from that, our harvest this year was started indoors in late November and budded in early March. The males were killed and the females placed outside after the equinox, sending them back into vegetative growth. Now we wait with watchful eyes! It's now late July and I can't get my longer-than-average fingers around the stalk.

Next spring brings talk of outdoor hydroponics, cross pollination, and maybe a widespread seed planting spree!

—Godzilla and the Axe Murderer

Island Empire, CA

Here's a report on my outdoor garden for this season. I prefer growing outdoors to growing indoors. For me, outdoor growing is a lot cheaper and more natural, although it is not as safe as

indoors. I live in an area where the chances of my getting caught are very slim.

In one area that covers 10' x 10' square, I have four *indicas* that germinated in April and were about six feet tall at the end of July. I have them in an area that creates a humid environment and the plants love it. I expect to harvest about two pounds of bud apiece.

In another area that covers 6' x 6' square, surrounded by berry bushes, is a skunk plant that I started in March. We had a very hard rain in the middle of April. The rain topped the plant naturally, but it survived and now has about 100 tops on it. I hope to harvest between three and four pounds of bud off that one plant.

Right next to a peach tree, I have two Thai plants that were started in April. They were approximately ten feet tall as of July 22nd. I should harvest a pound of bud off each plant. My total cost from seed to harvest is \$20 per plant.

I germinate my seeds in potting soil and transplant them when they're between one and two months old. The only commercial fertilizers I use are Miracle-Gro during the vegetative cycle, then I switch to 0-10-10 when they bloom. I also add to the soil before I put anything into the ground.

For the first time, some of my plant pistils are turning white. This is a first for me this early in the season.

On a final note, I have never produced a straight male plant so that I can start making seeds. The best I can do is produce hermaphrodites. I must be doing something wrong, although I only plant about 30 or 40 seeds per year.

—Always Growing Something
in CA

MASSACHUSETTS

This is my seventh year growing an *indica* strain I got from Vermont. This year's crop could turn out to be my best. If it's as good as last year, then it's going to be another easy winter.

My plants are much larger and fuller than ever. They started the early stage of budding recently. All males that escaped notice this spring have been pulled, except my one seed patch, as usual.

—The International Farmer
Somewhere in MA

MICHIGAN

It's early August here and the Skunk #1 from SSSC is unbelievable—the best plants I've had in eight years of growing.

My plants are 6 to 7½ feet tall already. They have more budding sites than my

apple trees. I have two patches; one has four plants, the other has six (all females). One patch looks like a 40-foot diameter bush! My partner, four houses away, says he can smell skunk at his house if the wind is right.

Hey, fellow farmers—don't forget to donate some bucks to NORML. I wish you all a safe and prosperous season.

Peppy La Pew
????, MI

Yes, it was a hot summer in Michigan this year! Even though there was a drought in the beginning of growing season, my plants got all the water they needed because my favorite growing area has a creek nearby. I ended up with 21 females from my 14th generation hybrid seed. The plants measure from 6 to 13 feet and will be ready to be harvested in the middle of September. So, overall it was a good growing season for me.

—the Mid Michigan Guerrilla Farmer

First, let me tell you about my system—a 250-watt HPS lamp and an old Phototron plugged into a lamp-timer. I grow in three-gallon ice cream buckets and various house-plant pots. I water my plants with tap-water every couple of days. Sometimes I add Dry Gro. My growing area is a sealed closet with a padlock on it—no air in, no air out.

Due to unfortunate circumstances, I had to harvest early. Half of my plants were just starting to bud and the other half were in total vegetation.

I dried half the crop in sealed plastic bags and the other half in open plastic bags. The herb in the sealed bags cured well and had a great taste; the herb in the open bags tasted green but was ready in two days.

Now I have eight varieties to choose from. Colombian gold, Mystery *indica*, Jim's *sativa*, Jim's *indica* (this gets best buzz award), Mexican *sativa*, '70s gold, Jay's green, and Afghan pine *indica*.

—Wobbly
Growing in MI

This year, I started 3rd generation Afghani from seed in late February. The plants were transplanted from grow pots in late April when they were 12-14 inches tall. I've only had to fertilize three or four times with six inches of straw mulch and the help of the big guy upstairs (Thanks for the rain!).

It is now early August and the plants are 8-11 feet tall. All males have been pulled and I'm going to apply a couple of good doses of Peters 15-30-15 to promote healthy budding. My plants should average 1 to 2½ pounds if they follow last year's growth patterns. And believe me, that's the sweetest smell of success I know.

—Jendog
The Ozarks, MO

the 1988 reader's Harvest Report

NEW JERSEY

I sowed about 100 seeds toward the end of April, a quarter of my crop was Northern Lights, a quarter was my own seed, and the rest were seeds of unknown origin (from good bud).

After the plants passed their delicate stage, I sorted out the runts and moved the rest to plots.

By July 1st, all plants were sexed and sorted again. I took cuttings from some favorites and placed them under my 400-watt MH Grow Wing. They are now about one month into their flowering cycle and look great!

I'm so impatient—I must exercise some control, but I can't help it! I love to visit my 15 big, beautiful babes!

—*I M High
Deep in the Heart of Jersey*

NEW YORK

This year's attempt is a small patch with five Skunk #1 x Afghani #1 clones. The tallest is now a substantial seven feet.

I have always had a problem with too little sun and late maturing Hawaiian

strains. So this year I chose the sexed clones and a new site. With the help of my friend "The Tree Climber", we cleared enough of an area to help my girls reach maturity.

The weather has dried up my stream, so water must be constantly tooted to them. So far, the insect population has caused no problem, and I've solved the wildlife problem by using tomato cages.

—*Persistent*

Willow, NY

OHIO

Spring was good, plenty of rain and lots of sun. Summer was tough—"The Drought of '88" was hard on the back and on the feet, but I'm looking at the largest harvest I've had in years.

I usually have a problem with slugs eating my crops, but between the sand at the base of the plants and the dry weather, they didn't do me in this time.

I've got some real beauties. Two plants are over nine feet tall and are just starting to bud. The other 33 are four to six feet and as healthy as ever.

I hope to take a few first places at the harvest festival this year, but if not, who cares? It was fun and we'll all get high. Thanks to Ed for all the tips, and keep up the good work, HIGH TIMES!

—*The Mountain Planter & Mutants of the Meadow
????, OH*

VERMONT

We have 22 small gardens, ranging from 4' x 5' to 20' x 20'. They were limed and fertilized in April and May. The seeds were planted directly into the ground. We used M11, M33 males x M11, M33, M39 females.

New England soil is very acidic and requires 5 to 15 pounds of lime per 100 square feet to get the pH to seven. Slugs wiped out two gardens and hurt several others. (These were later replanted). Six gardens have been munched by deer and moose and will be ready very late.

We use 10-20-20 with micronutrients. We don't mind leafy plants and are not really looking for leafy buds.

We're not too nervous yet. That won't come until the buds swell up in September.

—*The Burning Bush Ganja Company
Woodstock, VT*

WEST VIRGINIA

With your expert growing tips and experienced growing advice, I was able to grow 12 purple skunks from seeds, indoors, and I harvested seven big, beautiful ladies that gave me 2½ pounds of prime sinsemilla skunk. It was totally awesome! Thanks again 2 U!

—*Hillbilly Junction
Out here in WV* ●



This photo speaks for itself—female Early Pearl clones to be harvested in mid-September.

—*Face for Brakes
Toronto, Canada*

DRUG WAR

continued from page 36

pathological user" at the time he "voluntarily" entered Straight. When asked how he would define a pathological user, Dr DuPont replied, "Use of drugs in a pattern that is recklessly disregarding the real interest of the individual. There were at least two striking examples of that in that year we are talking about. One of these was his inability to continue on INH [a medicine which had been prescribed by a doctor] because he chose to drink instead, and the other was his risking his financial support to go to college and choosing marijuana instead. I considered both of these sick, pathological, and evidence of drug dependence."

There are standards by which fairly objective and impartial judgments may be made as to whether an individual is suffering from the disease of drug abuse. Some of the most authoritative have been formulated by the American Psychiatric Association. The primary APA diagnostic criteria for cannabis, or marijuana, abuse are "intoxication throughout the day, use of cannabis nearly every day for at least one month, episodes of cannabis delusional disorder." A related standard is "impairment in social or occupational functioning due to cannabis use." As Phil Hirschkop read these and other tests of cannabis pathology to Dr DuPont in the course of the cross-examination, the physician admitted that none of them applied to Fred in any clearly significant manner.

The majority of the jury simply did not feel that the evidence showed Fred to be drug dependent. Moreover, they distrusted Straight's primary expert witness. "DuPont's tie-in with Straight was obvious," a juror observed. "He seemed to bend his testimony to protect his client. We believed Dr Egan; he gave what appeared to us [to be] good professional advice."

James Harold Egan, chairman, Department of Psychiatry, Children's Hospital National Medical Center in the nation's capital, provided a different professional vision of the universe of youth drug taking and of the medical status of one young man. Dr. Egan's vision has a fair number of scientific and lay supporters, but it is ignored by most major political and scientific policymakers today.

"I think Fred had a number of devices that he used to defy authority. They were rather typical adolescent ones, I must say, letting his hair grow very long and wearing used, beat-up old clothes and getting an A one semester in a course and getting this supreme pleasure of getting a C the next semester, to sort of thumb his nose at the teacher, the equivalent of what many adolescents do as they attempt to become autonomous adults."

Even if Fred had continued to smoke marijuana in defiance of the ultimatum

allegedly issued by his father, Dr Egan, unlike Dr DuPont, would not have seen that form of adolescent risk-taking as necessarily a clear sign of drug dependency. "It depends on the motive for the risk taking. If one takes the risk because one has a compelling need, then one would say that the risk-taking is dependent on the drug. With a number of young people that I see the drug is merely the instrument or the pawn in a battle with their parents, and not the problem itself," Dr Egan stated on the witness stand.

On the basis of having examined Fred for several hours (which Dr DuPont never bothered to do) and of having read most of the important records, Dr Egan stated flatly on the witness stand, "I do not think that he was at the time or now chemically dependent on any drugs." In making this diagnosis, the physician apparently closely applied the APA criteria that Dr DuPont largely seemed to ignore. Even though Fred did occasionally use drugs, he was not regularly intoxicated, and he was functioning well academically, socially, and personally. "Let me be very frank," Dr Egan interposed in the midst of a question being put to him on the stand. "Were I to have seen him as a patient in my office, I would not have referred him to a drug rehabilitation program." The next question was, "Do you think he needed any treatment for drug abuse at all?" The immediate, firm response was, "No."

FRED WINS TWO JURY VERDICTS

On the fourth day of the trial, the case went to the jury. The jury was most influenced by the solid evidence that Fred, at 19 legally an adult, had indeed been imprisoned against his will. Had the jury believed him to be a true drug abuser, they might have doubted his ability to object to his imprisonment. That issue did not arise, however, for the six citizens did not believe that the evidence showed Fred Collins to be a drug addict. To the surprise of all concerned, the jury took very little time to deliberate.

While the verdict was in favor of plaintiff Fred Collins on the claim of false imprisonment, for some reason the jury decided to find for the defendant on the claims of intentional infliction of emotional distress and assault. After having rendered such a speedy verdict, it was then the turn of the members of the jury to be surprised. Judge Bryan announced that this was a bifurcated trial and that there would be a separate trial on the issue of the extent of damages.

On May 25, the jury retired to commence its deliberations, which were much more heated than the first time. The lone woman juror wanted to do precisely as counsel Ronald Goldfarb urged in pleading for a "Toughlove

verdict"—an award of one dollar. She felt that Straight was doing vital work which should not be curtailed. Psychologist William Watson later told me that he believed that a substantial penalty had to be imposed, perhaps in the neighborhood of \$100,000. Louis De Santi found himself "100 percent pro-Fred Collins." He thought Fred was "a regular guy" and that he had been severely hurt by Straight and by his parents.

The most forceful juror seemed to have been Robert H. Hartzell, who was a relatively high ranking federal civil servant. While he was appalled at the revelations of drug use, Hartzell was even more disturbed by the tactics of Straight, Inc. "I found myself angry... I had concluded that... regardless of what their motives were, if not nipped in the bud, [their tactics] were the seeds of destruction for a nation."

"A look of shock fell over the faces of the attorneys for both sides as the decision was read in a stuffy, packed courtroom," said a newspaper account. The verdict: \$40,000 in compensatory damages and \$180,000 in punitive damages, a total of \$220,000.

Fred spent the Christmases of 1982 and 1983 away from his family and utterly depressed. The young man looked forward to spending the Christmas of 1984 with his own family in an attempt to re-establish a relationship. When he returned to the family home shortly before Christmas day, he found his brother, George, now a Straight Seventh Stepper (in the most advanced phase, out in the community) to be a drug-free but hostile human being. For the first few days, though, events went relatively smoothly. Then his father discovered upon reading a newspaper that Fred had told some reporters of his hope for a family reconciliation.

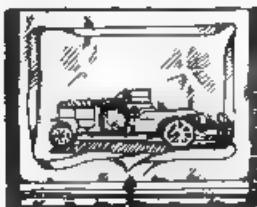
An argument ensued over the unwanted publicity. Fred Collins was again cut off from his family and more deeply depressed than ever. For several years he remained an orphan of the war on drugs.

Between December 1984 and December 1986, despite repeated attempts, I was unable to find Fred nor was I able to contact him through his family. They refused to speak to me on the telephone nor would they answer my letters asking about Fred's welfare. I was worried about him—and them.

Out of the blue, Fred called me in early December 1986. He told me that he had just discovered my letters lying about his parents' home. They had never told him about the letters or about my frequent attempts to contact him. Fred told me that he was doing well, that he had completed his undergraduate work and was pursuing a master's degree at Virginia Tech. The young man claimed that he was reconciled with his family but that they simply did not talk about their ordeal with Straight.

The matter has never been faced or resolved. ●

THE SILVER SHADOW
The "Rolls-Royce"™
Of Product Packaging



Tear Away Security Seal 1/2 mil thick Mylar (Metallized Polyester) Industrial Strength Zip-Lock

FEATURES

- TAMPER PROOF/EVIDENT Zip-Lock protected by security seal
- HIGH BURST STRENGTH: 50% stronger than 3 mil polyethylene
- VIRTUALLY WATER PROOF: Ship anywhere without weight loss, indefinite shelf life
- ODOR PROOF: Very low gas permeability
- EASY TO USE: Intended for use with inexpensive "Seal-A-Meal"™ band sealer or equiv.
- RESEALABLE: Zip-Lock closure allows the pouch to be resealed indefinitely preserving product freshness.
- ADDS VALUE TO YOUR PRODUCT: Makes your product stand out from the rest.
- INSURANCE: Inexpensive way to assure safe shipments.

9 1/2 x 10	9 1/2 x 5 3/4
<input type="checkbox"/> 24 bags = \$27	<input type="checkbox"/> 24 bags = \$20
<input type="checkbox"/> 48 bags = \$50	<input type="checkbox"/> 48 bags = \$35
<input type="checkbox"/> 90+ = \$1.00	<input type="checkbox"/> 90+ = .75¢ ea.

Orders under 24 = \$1.25/bag and \$1.00/bag respectively

Send Check or Money Order To:
HIGH-TECH PACKAGING SYSTEMS
 P.O. Box 956 Keauhou, Hawaii 96749
 (808) 959-6769

Dealer Inq's. Welcome COD's Welcome

BUSTED!!
DON'T LET WHAT HAPPENED
TO ME HAPPEN TO YOU!

ODOR SLAYER™ was Made with You in Mind—

Let ODOR SLAYER™ Protect You and Your Investment!

- Quiet
- Portable - 25 lbs.
- Uses only 2 Amps.
- Continual use
- Eliminates all odor
- Made of Stainless Steel and Rubbermaid material (will never corrode)

One year parts and labor guarantee. 30 day money back guarantee—Most orders shipped in 24 hours—C.O.D. orders welcome—No deposit required—Quantity prices available—Call for information & brochure \$467.37 tax & freight included—

Dragon Enterprises, Inc

P.O. Box 574 Veradale, WA 99037
 Made in U.S.A.

Patent Pending

1-800-541-0446
 Dealer Inquiries Welcome

KEEP IT SAFE INT'L
 Hide valuables in plain sight!

Catalog \$1.00 — Free
 with first purchase!



\$9.95 each



\$14.95 each \$19.95 each



* \$59.95 each * \$55.95 each

* 4.50 shipping & handling

K.I.S. International • 3205 Industrial Road, Dept #HT • Las Vegas, NV 89109

Add \$2.00 shipping & handling each item.
 Send check or money order only



ASK—ED

continued from page 60

SPRITZ THE ROOTS?

Dear Ed,

I sprayed seedlings with seltzer water and they really seemed to get a boost from it.

My question is, what effect would spraying seltzer water directly into the soil have? Would the roots absorb the CO₂?

—C-0-2

South Bend, IN

While the green parts of plants absorb CO₂ and use it for photosynthesis, the roots have no use for it. They use oxygen.

HEAT & CO₂

Dear Ed,

I would like to use a catalytic heater to make carbon dioxide. I figure it is cheaper to use and it can't produce carbon monoxide. The heat it adds to the house is a bonus. Is it safe for continuous use? How do I regulate the heat it produces?

—G

Thief River Falls, MN

The only heaters safe for indoor use run on propane or LP gas. Kerosene and gas heaters may release dangerous carbon monoxide, a colorless, odorless gas.

Each pound of fuel produces about three pounds of CO₂, 1 1/2 pounds of water and 21,800 BTUs of heat. One pound of CO₂ fills a space of about 8.7 cubic feet.

CANDLES FOR CO₂

Dear Ed,

I have a closet that holds 2,000 liters (about 3'x 3'x 8'). I found that a birthday candle went out after burning up about 1/10 of itself in a one-liter jar. Since there is about 20% oxygen in air, I used 0.2 liters of oxygen. I estimate that each candle will produce two liters of CO₂. This could be a cheap way of supplying CO₂ to the plants.

Yours Truly,

—Edward S.
 Austin, TX

For every two liters of oxygen used, three liters of CO₂ are created. These are the two liters of oxygen and the carbon, now a gas, which occupies one liter of space.

The CO₂ content of the air should be raised to between 0.2 and 0.3% or four to six liters of gas inoculated every three hours.

continued on page 70

PRODUCTS

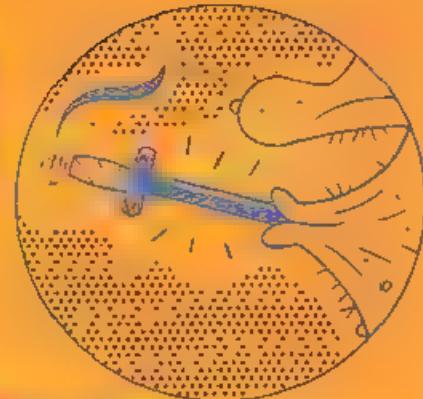
NEW GROW SYSTEM



You don't need a large room to grow a large crop—just the Aquabed—a closet or cubby hole will do. This unique new system has been specially engineered for use with the Sea of Green™ method—designed to be space, time, and quarry efficient. Multiple units allow you to meet your plants' needs at various stages of growth to increase their yield. The unit comes complete to help your plants reach their maximum potential. Distributed exclusively through the Indoor Gardening Centers, 8539 Livey Rd., Canton, MI 48071. Check out their ad on page 76 or call them at 1-800-527-GROW (in Michigan call 313) 451-0797.



Hydrofarm's Improved Hydrofarm Light Track is the latest innovation in plant lighting from Applied Hydroponics. This is the only track specially designed to carry horizontal or vertical fixtures. A heavy duty four-wheel cart base smoothly rolls back and forth across its 5 x foot length, saving up to 20% power usage over standard lights. 20% greater efficiency. There's also a six foot extension available designed to move a second light fixture. The Hydrofarm Light Track is backed by the same one year guarantee as the other rugged and dependable Hydrofarm products. See their ads on pages 8 and 9 and call Applied Hydroponics East at 1-800-227-4667 for a free catalog or Applied Hydroponics West at 1-800-634-9999 or visit your nearest authorized Hydrofarm retailer.



A NEW KIND OF POWER PLANT



Light Manufacturing Company is offering the **Power Plant II**, a versatile expandable garden which uses six trays and has the capacity for six expansion trays. The complete system includes pump, rockwool, pH adjustment kit and nutrients for just \$349.95. The Power Plant II is available from **Light Manufacturing Company**, 1634 SE Brooklyn St., Portland, OR 97202 or call 1-800-NOW-LITE.

SAFE SEXING!

Emerald Products is offering a safe and unique way to sex your plants. The Radesthesia Crystal Method utilizes a gold crystal pendant which, when used along with the guide provided will enable you to expand certainty of plant gender. This method can be used safely at any stage of growth and lasts forever saving money, time and labor. To solve your sexing problems forever send a check or money order for \$29.95 (Outside USA \$32.50) to **Emerald Triangle Products Company**, 1537 A 4th St. Suite 100 Dept HTP San Rafael, CA 94901. Allow 6 to 8 weeks for delivery.



ARE YOU BEING BUGGED?



IF YOU USE A CELLULAR, MOBILE, OR CORDLESS PHONE, ANYONE WITH A SCANNER CAN LISTEN TO YOUR CONVERSATIONS. EVEN REGULAR RESIDENCE AND OFFICE PHONES ARE NOT SAFE FROM ELECTRONIC WIRETAPS.

THE SCRAMBLER™ CAN PREVENT THIS FROM HAPPENING!

PROTECTS YOU FROM: WORKS WITH:

- BUGS
- TAPS
- SCANNERS
- TAPE RECORDERS
- EXTENSION PHONES
- WIRETAPS
- MOBILE PHONES
- CORDLESS PHONES
- CELLULAR PHONES
- BRIEFCASE PHONES
- AIRCRAFT PHONES
- REGULAR PHONES

THE SCRAMBLER™ PROTECTS YOUR COMMUNICATION FROM END TO END, AND BECAUSE IT IS FULLY SELF CONTAINED, IT CAN BE USED WITH ANY PHONE ANYWHERE IN THE WORLD. OVER 52,000 POSSIBLE SECURITY CODES ASSURES COMPLETE PRIVACY.

ONLY \$289 EA. (2 REQUIRED) PLUS \$3 SHIPPING. PRE-PAID ORDERS FOR 3 OR MORE UNITS \$279 EACH SHIPPED FREE. TO PLACE YOUR ORDER.

WRITE: OAI ELECTRONICS
3701 OLD COURT RD. #18
BALTIMORE, MD 21208

FOR A FREE BROCHURE OR C.O.D. CALL: (24 HRS)
(301) 583-9360

CONFIDENTIALITY ASSURED. 14-DAY FREE TRIAL PERIOD.

TERMS:

- SEND CHECK, CASHIER'S CHECK, OR MONEY ORDER
- VISA AND MC - SEND CARD #, EXP. DATE, + SIGN (2% ADD.)
- C.O.D. (ADDITIONAL \$2)
- PERSONAL CHECKS HELD 2 WEEKS FOR CLEARING
- RESTOCKING FEE OF 15% ON RETURNS AFTER 14 DAYS

THE ENERGY SOURCE

**Mental Alertness Aids,
Diet Aids & More:**

#1 Ephedrine Tablets	\$20.95/1000, \$6.95/100
#5 10 Caffeine Tablets	\$25.95/1000, \$7.95/100
#11 Magnum 357	\$30.95/1000, \$8.95/100
Extra Strength Caffeine Tablets	\$35.95/1000, \$9.95/100
#12-17 Caffeine Capsules	\$12.95/100
#18 Soma-Pap Sleep Aid	\$12.95/100
#19 L-Tryptophane Sleep Aid	\$19.95/60
#20 CPC Cole Capsules	\$12.95/100
#21 Grapefruit Diet	\$19.95/60
#22 PPA Diet (Phenylpropanamine)	\$59.95/100
#23 Fast-a-Caine Diet	\$12.95/100
#24 Super Nite Diet	\$19.95/60
#25 CCK Diet	\$19.95/60

NFSUPPLY
1920 N. Vancouver
Portland, OR 97227

Toll Free:
(800) 342-6555

In Oregon:
(503) 282-8884

ASK-ED

continued from page 68

A JUG OF WINE AND CO₂

Dear Ed,

I grow a few plants under fluorescents and have four jugs of wine fermenting. I adapt the jug caps with tubing stretching over my plants so that they get CO₂.

What would happen if you tossed some shake into the wine?

—Twenty-Two
West Sacramento, CA

Some of the THC would dissolve in the alcohol of the wine.

By the way, the wine ferments actively for less than two weeks. After that, there is only secondary fermentation that proceeds at a slow rate.

COLORED MULCH

Dear Ed,

I came across an article titled "Vegetables Have Favorite Colors Too", in the August-September '88 National Wildlife, published by the National Wildlife Federation.

The article states that Michael Kasperbauer and Patrick Hunt at the USDA's Soil and Water Conservation Research Laboratory in Florence, South Carolina, have found that vegetables respond favorably to particular wavelengths of reflected sunlight. Tomato plants grown over red mulch produced 20% more top quality tomatoes than those grown over black plastic. Potatoes and green peppers show a distinct preference for white mulch.

What do you think?

—D.J.
Salem, OR

White mulch reflects light back up to the leaves and growing areas of the plants. Increased light means increased growth. No research has been done on other wave-lengths which the plants might prefer.

MOLDY POT

Dear Ed,

I bought some herb and kept it in a zip-lock. It was very moist. After a month, I took it out and it was covered with white stuff. I put it on a plate to dry, the white stuff kind of disappeared, but the stuff tastes like Mexican dirt brown weed.

Is this weed going to kill me or did I already die?

—Steve
Flagstaff, AZ

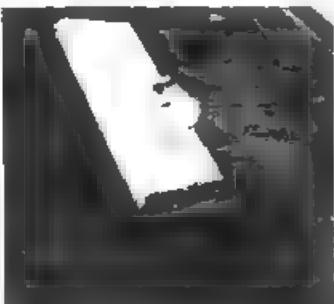
The white stuff was some sort of fungus or mold. The growth might not harm you, but it is not good for you either.

continued on page 73

12 SLAB SYSTEM INCLUDES

- 25 gal reservoir & cover
- 12 - 4' X 41' R/W slabs
- 36 - 4" R/W blocks
- 36 - 2 G PH emitters & stakes
- 1 - 170 G PH pump
- 1 - timer & extra trippers
- 1 - pH test kit & nutrients
- Complete instructions

\$469.00



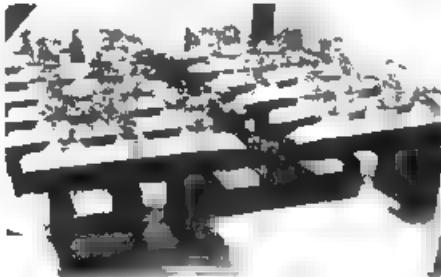
Corrugated Tray Allows Nutrients To Flow Past Roots

Rauch Building
4050 Washington Rd.
McMurray, PA
412-824-8446
2039 State Rd.
Cuyahoga Falls, Ohio
216-922-0777

COMPLETE INDOOR GARDENING SUPPLIES

Northern Lights & Hydroponics

INTRODUCING
N.L. 12 - SLAB R/W SYSTEM
36 PLANTS IN A 8' X 8' AREA

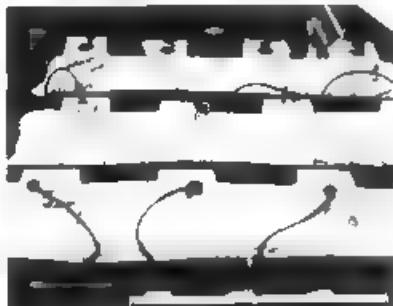


Main Office - 4 Mahoning Ave.
New Castle, PA
412-654-8383

Authorized Distributor



- H.I.D. lights/(Horz. or Vert.)
- Rockwool & Geolite growing mediums
- Green air Co₂ generators
- pH pens & Dist. 2 pens
- 1, 2 & 3 arm sun circles
- 4' & 6' light tracks
- Cutting starter kits & concentrates
- Organic fertilizers
- Dyna bloom & grow nutrients



3 Tray 4" Thick Slab
Complete \$149.00

2809 Pine Ave.
Erie, PA
814-456-3962

Red Mountain Lighting & Hydroponics
121 S. Country Club Dr.
Meza, AZ
1-802-464-1797

VISA AND MASTERCARD ACCEPTED — CALL FOR A FREE CATALOG

Third Anniversary



WORM'S WAY

ORGANIC INDOOR-OUTDOOR GARDEN SUPPLY

* Opening November 1st in Massachusetts

FULL SERVICE
Retail & Mail Order
FREE CATALOG

LIGHT SYSTEMS

Hydrofarm® Horizontals
Metal Halide 1000w/400w/175w
High Pressure Sodium 1000w/400w/150w

P.L. Horizontals — EUROPE'S FINEST
Metal Halide 400w
High Pressure Sodium 400w

HYDROPOONIC SYSTEMS

Hydrofarm Quantum
Hydrofarm Solo
Volumatic Ebb & Flow Tables

PROPAGATION SUPPLIES

Grodan Rockwool — Cutting Kits
Dip-N-Gro — Hormex
Plantastic Plant Products

FERTILIZERS

Worm Castings — Bat/Bird Guano
Eco-Grow® — Dyna Grow® — Budswell®

CLIMATE CONTROL EQUIPMENT

TESTING EQUIPMENT
And Much More!

INDIANA

4620 South State Road 446
Bloomington, Indiana 47401
(812) 837-9901

FLORIDA

5311 56th Commerce Pk. Blvd.
Tampa, Florida 33610
(813) 621-1792

Authorized



Products Dealer—See Page 8!

**CLONING: 18, 20 OR
24 HOURS OF LIGHT?****EFFECTS ON POTENCY
ULTRA VIOLET LIGHT****HIGHER YIELD
INFORMATION READING**

The new "HIGH TIMES Cultivator's Newsletter" will be the most important source of information for people who take cultivation seriously.

- It will contain totally new information based on controlled horticultural experiments from labs around the world. The results of these tests will apply directly to all gardens, both indoor and outdoor.
- Each issue will feature advice on how to increase the yield and potency of your crop.
- Don't miss any of the valuable information. The information found in the premiere issue, January, 1989, will more than pay the price of the subscription.
- A partial listing of articles in the first issue: U.V. Light report; Two growing mediums better than Rockwool; New light cycles to increase growth.
- Research will be directed by Rob Clarke and Ed Rosenthal. Rob Clarke, the author of *Marijuana Botany*, holds a Masters degree in the evolution of cannabis. Ed Rosenthal is a HIGH TIMES columnist and author of *Marijuana Growers Handbook*.
- The HT Cultivator's Newsletter will not be available at newsstands or bookstores. You must subscribe. HIGH TIMES guarantees confidentiality of the subscription list.
- For a one year subscription (four quarterly issues), send \$95.00 to: HIGH TIMES Cultivator's Newsletter, 211 E. 43rd St., NY, NY 10017.
- No Advertising Accepted.

Name _____

Address _____

City, State, Zip _____

ASK—ED

continued from page 70

WIND FOR POT

Dear Ed,

Four weeks ago I started four clones, from female plants I was growing outdoors. I used a powdered rooting hormone and the clones took beautifully. I transplanted two of them in two-liter soda bottles. I placed a small fan next to them on low speed. Is it my imagination or are my plants really looking better from the artificial wind?

Thanks,

—Scruffy Zimmer
Upstate, NY

A breeze moves the used-up air, high in oxygen away from the plants and replaces it with fresh air, high in carbon dioxide (CO₂). With more CO₂ available, the plants grow better.

WATER AND LIGHT

Dear Ed,

I have two questions.

I use tap water in my hydroponic system and am experiencing no problems. How important is it to use distilled rather than tap water in the unit?

I have read conflicting reports on whether to give plants a regimen of continuous light or 18 hours a day during vegetation. Some authors state continuous light promotes rapid, vigorous vegetative growth, as well as being excellent for regeneration of plants for a second harvest. Another author states that continuous light is a waste of electricity because the plant is only able to utilize 16-18 hours of light. Another author says continuous light sets the plants' biological clock back to zero and should never be used. What's the real scoop?

—Indoor Cultivators of Li'l Rhody
Newport, RI

Water which is relatively free of mineral content and near seven pH can be used successfully in hydroponic systems, just as you are doing. Distilled water is required only when the mineral content of the tap water interferes with nutrient uptake. Don't fix the water if it ain't broken.

As long as there is light, and the plants other needs are met, marijuana will continue to photosynthesize and grow. It does not require a "rest period" of darkness. I think that some people think marijuana needs a rest for anthropomorphic reasons; they attribute human needs to other species. The company which stated that cuttings revert to a biological age of zero under continuous light did more experiments and now retracts that statement.

continued on page 85

UNDERGROUND ECONOMY

□ GUERRILLA CAPITALISM: How To Practice Free Enterprise In An Unfree Economy, by Adam Cash. How to do business "off the books" • How to invest unreported income • How to evade the IRS • How to cash checks without running them through your bank account • The very finest how-to-do-it book ever written on the Underground Economy! 5½ x 8½, 172 pp., Illustrated, soft cover. \$10.95.

□ JOB OPPORTUNITIES IN THE BLACK MARKET, by Burgess Laughlin. Examining in vast detail black market businesses as diverse as narcotics, people-smuggling, gambling and bootlegging the author covers Pay • Organizations • Risks • Advancement • Culture • Society • Prices • Benefits • And much more. The author also shows the roles of retailers, wholesalers, organizers, smugglers, middlemen, entrepreneurs, and their assistants in the black market. 5½ x 8½, 144 pp., Illustrated, soft cover \$9.95.

□ ADVANCED INVESTIGATIVE TECHNIQUES FOR PRIVATE FINANCIAL RECORDS, by Richard A. Nosen. This is a manual written for government agents describing in amazing and chilling detail how to "Al Capone" a guy — how they snoop into your private financial records, discover unreported income and nail you for income tax evasion. Yes, it can be done to anybody. As the author who served for 24 years with the IRS intelligence Division, makes clear. Protect yourself by knowing the government's methods! 8½ x 11, 88 pp., Illustrated, soft cover. \$10.00.

LOOMPANICS UNLIMITED HT
PO Box 1197, Port Townsend, WA 98368

Please send the books I have marked above. I have enclosed \$ plus \$3.00 for shipping and handling.

Name _____

Address _____

City _____

State _____ Zip Code _____

Books-by-Phone

Read all the HT ads & buy from us we have most books, best service visa/mc - ups/cod - 10% off w/mo

INDOOR MARIJ. HORTICULTURE best indoor high tech book HORT 16.95

PSYCHEDELIC CHEMISTRY authoritative lab manual PCHEM 14.95

ECSTACY the MDMA Story chemistry use psychology ECSTAS 14.95

MUSHROOM CULTIVATOR best mushroom guide MUSHC 24.95

MARIJUANA HYDROPONICS high tech water culture MHYDRO 14.95

ANARCHIST COOKBOOK

chemistry, security ANARCH 19.95

THE PAPER TRIP II

Create a new identity PTRIP \$19.95

COCAINE HANDBOOK

best essential reference CHBK 24.95

MARIJ. CULTIVATORS HANDBOOK

Drake's revised classic MCULT 14.95

DELUXE MARIJ. GROWER'S GUIDE

"the Bible", 200photos 360pp DLX 19.95

MARIJUANA BOTANY definitive guide to mj plant MBOT 14.95

MARIJ. MOONSHINE VIDEO vhs complete growing class VV-MM 39.95

SINSEMILLA TECHNIQUE

High yield tech, color STECH 14.95

MARIJ. GROWERS Hbk by Ed Rosenthal indoor greenhouse edition MGH 16.95

ED ROSENTHAL'S MJ GROWING TIPS cultivation, travel, politics MTIPS 12.95

MARIJUANA QUESTION? ASK ED! home photos, Q&A, index ASKED 16.95

MARIJUANA POTENCY isomerizers, hashmaking MPOT 14.95

BIG BROTHER GAME surveillance, survival BIGBRO 14.95

BIG BOOK OF SECRET HIDING PLACES home, car, person, &c BBSECR \$10.95

PSYLOCYBE MUSHROOMS & ALLIES find & grow 'shrooms PALLY 12.95

select books and add up price SUBTOTALS

COD (\$5fee) or visa/mc(\$2fee) call day or night

Money Order Discount - 10%

Shipping & handling charges
USA add \$4/order Canada add \$5/order Foreign add \$5/book California customers add sales tax 7% of subtotal
DMR or MO for Books plus fees TOTALS \$

Make checks payable to Books-by-Phone (personal checks held to clear, for best service & 10% discount send Money Order)

credit card INC Visa Exp date _____

card # _____

Name _____

Address _____

City _____ State _____ ZIP _____

I am over 21 (sign) _____

PRICE & AVAILABILITY SUBJECT TO CHANGE WITHOUT NOTICE DRUG EDUCATION BOOKS ARE FOR ADULTS ONLY FOR INFORMATION IN ACCORD

WITH 1ST AMENDMENT OFFER VOID WHERE PROHIBITED NO WARRANTIES MADE USE NOT ADVISED. CONSULT YOUR PHYSICIAN AND ATTORNEY

Books-by-Phone Box 522 Berkeley CA 94701

800/858-2665 National

800/992-2665 California

415/548-2124 Information

800 operators for orders only - have no info

FREE 32 page Catalog

INTRODUCING

The California Buds



4 COLOR DESIGN

50/50 BLEND

T-SHIRTS TANKS SWEATS

\$12.00 \$11.00 \$18.00

SPECIFY SIZE AND COLOR

WHITE, TAN, GREEN, S, M, L, XL

\$1.50 SHIPPING PER ITEM

CHECK MONEY ORDER

MAJOR CREDIT CARDS ACCEPTED

714-847-5815

COOL BREEZE
1251 W. SEPULVEDA BLVD
SUITE 364
TORRANCE, CA. 90502

ORDER HIGH TIMES PRODUCTS NOW!



CALL TOLL FREE FOR ORDERS ONLY

800-435-0715

in Ill. 800-892-0753



Payment enclosed
 MasterCard Visa

Card# _____

Expiration date _____

Signature _____

HIGH TIMES
PRODUCTS
P.O. BOX 410
MT. MORRIS, IL 61054

TB High Times Tote Bag
HTC High Times T-shirt

Please allow 6-8 weeks for
processing and delivery.

Quantity	Price	Cost
TB	x \$7.95 =	\$_____
HTC	x \$7.95 =	\$_____
	Subtotal	\$_____

Postage & Handling \$ 1.95

Total \$_____

sizes: S M L XL

Name _____ HP66

Address _____

City _____ State _____ Zip _____

JOHN WILCOCK

continued from page 43



PIGS SHOOT TO KILL-- BYSTANDERS GUNNED DOWN



HIGH TIMES drew more than just inspiration from the underground newspapers of the '60s—many veterans of the scene worked here after the movement dissipated.

Mailer had offered me dope, and all kinds of people offered me dope. They said, "You understandably are nervous about drugs and stuff, but we'll keep an eye on you. We want you to take these pills as an experiment and we want you to just hang out here. For three hours, you'll feel real happy and we just want to take notes on what you say and stuff. And then afterwards, we want you to fill in a questionnaire."

And I said, "Oh, shit. Why not? Anything for a column." So I went up there and took these pink psilocybin pills and just totally freaked out. I had a marvelous time. I was so happy all afternoon. They took me out on 42nd Street and I was giggling away at everything. Suddenly, I saw a cop coming and I froze. I said, "There's a cop! There's a cop!" And Dave leaned over and said, "No law against laughing, man." Which is one of the great early insights I had, you know, when I was stoned. So that's what got me into dope.

I think I was probably the first person to write about dope in a relatively straight American paper. I started picking up mentions of it, like, say, the British Medical Association covered some report that had been made in India, and they quoted me from there. But that's getting ahead of the story.

HT: What year was this?

JW: That would be about 1960, or 1961 at the latest.

HT: How did the '60s underground publishing scene first happen?

JW: Probably Walter Bowart, singly, and the people who did the *Oracle* in San Francisco were the major influences. You see, the *Berkeley Barb* in San Francisco and the *LA Free Press* and the *Village Voice*—all of which predated the *East Village Other*—had all done old, hot-type printing. Bowart realized that once you started printing offset, you were released from linear constraints—you didn't have to print a paper looking like other papers. You could do it any shape and any size.

HT: What about Ed Sanders? John Sinclair (see July 1988 HIGH TIMES) seemed to think he was the first underground publisher.

JW: I knew Ed from the early Village days in the late '50s when he and Tuli (Kupferberg) had the East Side Bookstore over on 383 East 10th Street, and he was putting out *Fuck You*, which was this mimeographed magazine on

around, put the camera on people without warning, ask them a few things and edit in the camera as I go along.

I started doing video when Nick Yanny, who used to do the *Tomorrow's Television Tonight Show*, had me on. I was still giving away my little paper and he said, "Why do you spend \$100 bucks giving out a paper for free when you could spend \$50 bucks and do a cable show?" So I started going into the studio and doing little bits and pieces. After a while, I got a camera and started wandering around. I began to realize that it was a very effective tool for a reporter.

I feel that what's wrong with television is perfection. Everybody wants perfection. It's rehearsed and polished and prepared and predictable and there are no surprises. When people say they're bored with television, they don't really mean they're bored with the programs, they mean they're bored with the way television is presented. It's ludicrous that a talk show should have to close down because the writers are on strike. A talk show is supposed to be

"There are two professors at Harvard and they're doing this experiment. If you want to come up and take the pills, we'll keep an eye on you."

very thick, orangy paper. He'd print up 10 or 11 issues of *Fuck You* and give them out, and put out a catalog offering these things for \$75 a set or something. And he sent these catalogs out to colleges all over the country. Of course, everybody bought them because it had all the very heavy names in the American poetry scene, like Leroi Jones—the poetry underground, I guess.

Ed was so brilliant with language that he was influential in that way, but he didn't really have much to do with the development of underground papers as such. The forerunners of underground papers were really more like Paul Krassner (who started *The Realist*).

HT: Do you think there's an underground movement left to talk about today?

JW: There are always people working underground, except that at this particular time, there isn't any sort of cohesive unit or united sort of exchanging things and doing the same stuff. I'd like to set up some kind of an organization so that we could all swap (video) tape all over the world. But it's very hard to do something like that.

I just plug away. I basically do video like I've always been a writer. I wander

about people talking, you know? Conversation, not people who learn a script!

The reason this is on my mind is that on my own show, I did a rap the other day about, "There are two kinds of people concerned with television—the people who make television who think that it doesn't work unless it's perfect, and the people who watch it, who don't give a damn." I mean, if it's interesting, people don't care if the color's a bit off or the sound's not quite clear.

What I find really ironic is that people who make television are beginning to divine that people want reality. So what they're giving them now is pretend reality.

HT: Like that soap opera/cop show, *The Street*.

JW: Right. And doing commercials that look like they're done with an amateur's camera, with shaking and all the rest of it. Yet it costs half a million to produce. I mean, if I wasn't so old and so used to this thing, I'd be amazed. But I'm not amazed because that's the way commerce is. It decides what somebody wants and then gives them an imitation of it. ●



The Aqua-bed™

The most revolutionary ebb-flow system available - takes your plants to their full genetic potential!

The Indoor Gardening Centers introduce The Aqua-bed, a revolution in the indoor gardening industry. The Aqua-bed is a compact all-in-one gardening system. No more bulky tables or messy reservoir systems. The Aqua-bed incorporates feeding tray reservoir, pump and timer in one unit. Your plants automatically receive the right amount of nutrients, each and every cycle. The Aqua-bed is a state-of-the-art ebb-flow plant growth system. Let The Aqua-bed take your plants to their full genetic potential.

\$189⁰⁰

"Includes pump, digital timer, pH tester, feeder tray, reservoir, rockwool, Eco "R" Grow & Bloom nutrients, hardware, instructions and growing tips."

The Indoor Gardening Centers, Inc.

For Mail order

P O Box 96030 Wixom, MI 48096
1-800-527-GROW (4769) outside Michigan
VISA / MC / COD accepted

In Michigan visit our full retail showrooms
Canton (313) 451-0797

Madison Heights (313) 547-GROW (4769)

The Indoor Gardening Centers offer a complete line of garden supplies. High intensity lighting, hydroponic systems, pumps, fans, timers, CO₂ systems, nutrients, rockwool, the growing medium of the future, and much more. Call for a free product list today.

"Our Business is Growing"

Dealer inquiries welcome.

DANIEL'S
BEST YIELD

SYSTEMS FROM

\$59

**CHICAGO
ILL.
CHICAGO INDOOR
GARDEN SUPPLY**

C.I.G.S. 108 N. BARRINGTON RD.
STREAMWOOD, IL 60107
(312) 289-4545

**MADISON
WISC.
MADISON INDOOR
GARDEN SUPPLY**

M.I.G.S. 6420 BRIDGE RD
MONONA, WI 53713
(608) 221-9292

Store hours:

Mon-Fri 10AM-7PM Sat 10AM-5PM

AUTHORIZED DEALERS FOR

HYDROFARM & ALTERNATIVE

GARDEN SUPPLY PRODUCTS

WE SUPPLY ALL YOUR GROWING
NEEDS

ALTERNATIVE

For a FREE CATALOG containing Hydrofarm & Dutch P.L. Lights, Danish & Dutch Ebb & Flow Tables, U.S. & Israeli Drip Systems, Fertilizers, Cutting Supplies, Testing Equipment, Climate Controls, & the nation's most complete line of Grodan Rockwool Products

CALL - (800) 444-2837

GARDEN SUPPLY INC

Phone hours

Mon-Fri 10AM-7PM

Sat 10AM-5PM

Central Time

AGS INC

108 N. Barrington Rd
Streamwood, IL 60107

HYDROFARM

PLANT DOCTOR

continued from page 39

"Another plant, the Cua-Cua, is similar, but does not last as long. For this, you rub your hands with the leaves and then touch someone. The plant works through the skin and whomever you touch will be in your power for eight days. I have performed that amusing experiment many times, once even on my wife. After eight days she hated me. She knew what I had done when, during that time, she tried to do something and I told her not to do it, and she couldn't. Some of these plants are very dangerous that way."

"Some of my other plants are more practical. The Pidi-Pidi is one. I have 24 kinds of Pidi-Pidi on my land. The ones here are all prepared the same way. You boil the bulb in half-a-liter of water for ten minutes and then drink the extract. One of these is good for fertility in both men and women. Another is good for a permanent contraceptive. A man who drinks that extract will be sterile, and with no side effects whatsoever. That is one plant the Japanese are very interested in. For a woman, she must drink it after she menstruates; then she will have no more babies. No pain, no side effects, and you only drink it once. My wife drank it after we had had enough children and that was twenty years ago. The other Pidi-Pidi that I have here is used to help bald people grow hair; not really grow, just bring the scalp back to life. In your country there are some products which contain a little of this extract. Other Pidi-Pidis cause hallucinations and are good for healing internal wounds."

"There are so many plants to study. So far I have discovered two hundred and fifty new plants for curing alone. Plants for the skin, for the liver, for epilepsy, for diseases of the pancreas, contraceptives . . . I have teas for syphilis, plants to cure hepatitis, others to stop the pain of childbirth—and there are many people who have discovered other plants, tribes in the jungle and in the mountains each have their own medicines. There are so many plants for different things that we will never investigate them all. Did you know that the plants the Indians use for building their houses are medicinal? Did you know that there are magnetic plants?"

"The field of conversation we are touching on is so broad that I would need too much time to tell you more. There are also things I hesitate to tell you because I don't know you both very well. I have to protect my plants because they can be used in the wrong way. They can be abused by the wrong people and so I must be cautious, but if you will come back for a month and come to my land we will talk more; you will use my plants and learn about them. You will not believe everything until you have seen it, so you must come back to study. If you like you could come in April, when the San Pedro blooms."

With that, Dr. Atroyo announced that he had another engagement and left us to ponder his plants.

I can hardly wait until April. ●

DISCOUNT HALIDE & HYDROPONICS 5-YEAR ANNIVERSARY SALE

All orders of \$300.00 or more receive free shipping. All merchandise has a 1 year guarantee with 30 day money back guarantee.

HAL SYSTEMS - complete with 4' or 2' hood, wind and pump:

1000W Halide System	\$175.00
400W Halide System	129.00
1000W High Pressure Sodium System	225.00
400W High Pressure Sodium System	190.00

ATMOSPHERIC CONTROLS:

Heavy Air CO ₂	\$195.00
Climate Control System automatically regulates temp & humidity	89.00
Clean Air Machine eliminates odors	56.95

LAMPS

MS 1000W Halide	\$ 55.00
MS 400W Halide	35.00
1000W High Pressure Sodium	67.50
400W High Pressure Sodium	39.95
1000W High Pressure Sodium with Conversion bulb	129.00
NEW Super "Horizontal" Halide includes Hor. Hood, Special Socket & MS 1000W Horticultural Lamp	109.95



1-800-444-4378 E. 14109 Sprague, Suite 5, Spokane, WA 99216

FREE CATALOG



2 DAY SHIPPING

WHOLESALE GROW LIGHTS

All systems completely wired with 44' reflector. Highest quality lowest noise ballast with 2 year guarantee. All Halide systems come with MS Super Lamps. No in steadings. No catches. Just the most complete highest quality systems available anywhere for a price second to none.

COMPLETE SYSTEMS

1000W Halide System	\$165.00
400W Halide System	125.00
1000W High Pressure Sodium System	210.00
400W High Pressure Sodium System	170.00
The Original World Famous Maximizer CO ₂ System	\$189.00

REPLACEMENT LAMPS

MS 1000W Halide	\$50.00
400W Halide	\$35.00
1000W High Pressure Sodium	\$60.00
400W High Pressure Sodium	\$45.00
Iwasaki Conversion Lamp 940W	\$125.00
Iwasaki Conversion Lamp 360W	\$65.00

For over eight years, we've carried everything for the serious indoor grower: tracks, sunscrews, hydroponics, ion generators, charcoal fans, scales, etc. Please write or call toll free for our catalogue.

CALL TOLL FREE 1-800-544-7956



Emerald City Halide North • 8016 15th Avenue NE • Seattle, WA 98115
Orders Shipped Anywhere

Greenhouse Kit ONLY \$349.95

Compare with glass greenhouses
costing \$2000 and more!

- * Indoor or outdoor use
- * Can be assembled and disassembled in 30 min. without tools
- * Maintains high heat and humidity at all times
- * Delivery in 2-4 weeks



NOW . . . Grow any plants BIGGER, BETTER, AND FASTER in your own greenhouse made of space age Poly Vinyl framing and covered with tough 16 gauge clear vinyl. Excellent for indoor growing with grow lights. Start seedlings early for spring planting. ACTUAL SIZE 6' x 6' x 7' high.

BIF, INC.

P. O. BOX 5333

OCEAN ISLE BEACH, NC 28459

MC

VISA

AMEX

CARD NO. _____

EXP. DATE. _____

CLASSIFIEDS

MERCHANDISE

IS IT TRUE YOU CAN BUY
Jeeps for \$44 through the U.S. government? Get the facts today!
Call [312] 742-1142, ext. 4648

STIMULANTS DIET-AIDS
Decongestants Sleep-aid
[TRANDOZ®] CoRock® incense. Lowest Prices. Highest-quality. Guaranteed. FREE CATALOG VIVALIFE,™ BOX 111 H BALDWIN, NY 11510

HELL FIRE ON WHEELS
Incinerator made of steel, portable EPA approved. Wireless PANIC button worn around neck. Destroy anything flammable ONE KILO per minute, car battery or AC operated. Prices from \$3000. Quick delivery, money back guarantee. Send SASE to: Dept. HT P.O. Box 1008 Bel Air MD 21014

RED FLY AGARIC
Mushrooms (Amanita muscaria var. flavivolvata) \$40.00 dried ounce. Other varieties and grades available. JLF P.O. Box 184 Elizabethtown IN 47232

SUPER SCENT
Mky. Trails \$90.00/oz, PDC Box 46755 Cincinnati OH 45246 (513) 851-5999

ANABOLIC VITAMINS
\$2 + SASE, B&B, Box 242, Warren MI 48090

SAMPLE PACK \$10.00
Incense stimulants, liquid aromas, powdered food supplements, etc. Call [419] 473-1146.

NEW SMOKER'S CATALOG
Pipes, waterpipes, much more! Send \$2 or 10 first-class postage stamps to: Tobacco World P.O. Box 74946 Dept. H Oklahoma City OK 73147 U.S. funds only. 800) 847 PIPE

SEX, ENJOY IT SAFELY.
Lubricated condoms \$5.00 per dozen. Postage included. Send Check or Money Order to C.V.H.P., 46 Till Street, Enfield CT 06082.

DRUG ARREST, CONVICTION is Unconstitutional [50 pages] \$12 How I Prevent Acne \$5 How I Stopped Migraine Headaches. \$5. Eating for a Healthy Life \$7 How to Prevent AIDS. \$5. Tecton, 1469 Springvale Avenue McLean Virginia 22101

LEGAL - GRASS
Intoxicating Card Game. 1-\$9.00 X-Mas SPECIAL 2-\$16.00 prepaid Money order Drent P.O. Box 6346 Peoria IL 61602

JUST SAY YES
Bumper Stickers. \$2 plus .75¢ shipping & handling. Send check or money order to 'H&H Designs' 6050 Peachtree Pkwy Suite 340-217 Norcross, GA 30092

GROWING AIDS

MUSHROOM SPORES/CULTURES
and growing supplies. Free Psilocybe cubensis spore print with catalog order. Since 1972. Send \$5.00 to FMRC P.O. Box 8104 Pensacola FL 32505

SPIDER MITE PREDATORS - \$35/1000 Wh. tefly Parasites - \$27.50/1000 Ladybugs - \$5.50/1000 Postpaid, fast delivery CODs credit cards. Free brochure Nature's Control, P.O. Box 35, Medford, OR 97501 [503] 899-8318

WHY PAY MORE?
Build your own 4' x 8' EBB-N-FLOW system at a fraction of retail cost. Complete easy-to-follow illustrated instructions only \$11.95. HYDRO-PRO 2000, 1269 Broadway #151 El Cajon, CA 92021

EXOTIC MUSHROOM
Spores and Discount Books Catalog \$2 Amanita muscaria Spores \$10 The Mushroom Cultivator \$22 Psychedelic Chemistry \$12 Indoor Marijuana Horticulture \$14 Postage Paid! Immediate Delivery! FS, P.O. Box 417457 Sacramento, CA 95841 7457

ATLANTA SOUTHERN
Lights and Hydroponics, Complete Hydrofarm Store, Visa/Master/ Mail, 5634F Buford Hwy Norcross GA 30071 (404) 368-0288

PUBLICATIONS

MUSHROOM RESOURCE
Guide \$14 [43 companies listed] Details \$2 FUNGI SUPPLIES P.O. Box 1374, C.H., CA 9511-1374

MUSHROOM TIMES
Magazine [For Shroomers Only] Single issue \$6.50. Subscriptions \$22 [Discount Psychoactive Book Catalog \$11] Century Publishing P.O. Box 3239, Citrus Heights, CA 95611-3239

PERSONALS

WITCHCRAFT MOTHER
Nature's own high, power and serenity Gavin and Yvonne P.O. Box 1502-H New Bern NC 28560

MISCELLANEOUS

UNDERGROUND BOOKS
Controversial and Unusual Catalog - \$2. FSS, P.O. Box 232 Fair Oaks, CA 95628-0232

TERM PAPERS 15.278 available! 306-page catalog-rush \$2.00 Research, 11322 Idaho, #206HZ, Los Angeles, 90025 (213) 477-8226

LEGAL HIGHS

REVOLUTIONARY
MEGABRAIN Device stimulates Endorphins [natural opiates] ONLY \$299.00! Guaranteed. Free info. STARWAYS, 4502 Congress, Austin TX 78745 (512) 444-1861

VIDEO CASSETTES

NOW AVAILABLE
for the first time on video cassette, the film classic "MARIJUANA MAN" with original soundtrack by Arthead. Send check or M.O. for \$29.95 to: Manna Productions P.O. Box 411 Garberville, CA 95440

FRUIT OF THE GODS
VHS Mushroom Video. Learn to cultivate, clone, pronounce, and identify psychoactive mushrooms. Seven years to produce. \$86.00. FMRC P.O. Box 8104 Pensacola, FL 32505

BEAUTIFUL GIRLS
on EHG videotape Catalog \$3.00 Sunset Software, 2265 Westwood Blvd. #140, Los Angeles CA 90064

DAFFY DRUGUMENTARIES
Laugh riot Color 90 min. VHS or Beta \$39.95 each G Goleas, 2754 W Francis Place, Chicago, IL 60647

NOVELTIES

HUMBOLDT SEED
Purple Skunk \$1.00 each seed or X-mas special [Dec. only] \$25/100 seeds. H.C.W.C. P.O. Box 386 Garberville CA 95440

NORTHERN CALIFORNIA
Seed: Indica, Afghani, Sativa, \$1.00 each seed or X-mas special [Dec. only] \$50/150 seeds. N.C.S., P.O. Box 114, Phillipsville, CA 95559

EMERALD TRIANGLE SEEDS
Hawaiian and Asian \$1.00 each seed or X-mas special [Dec. only] \$25/100 seeds. E.T.S. P.O. Box 352, Miranda, CA 95553

MENDOCINO
Purple Kush, Dwarf Afghani Indoor/Outdoor \$1.00 each seed or X-mas special [Dec. only] \$50/150 seeds. M.P.K., P.O. Box 1034 Redway CA 95560

HUMBOLDT COUNTY
Weed. \$10/oz Bag. WEED, P.O. Box 611 Miranda, CA 95553

INDOOR SEED CATALOG
Special indoor strains. Orders fulfilled quickly \$1 U.S.S. P.O. Box 721099 Berkley, MI 48072

BEHIND BARS

LONELY MAN IN PRISON
Single white male, 33, seeking correspondence with someone sincere. Height 6 ft, weight 178 pounds, eyes brown, hair brown and super long-almost to my waist. I pass my time in prison by weight lifting and running, very lonely, please write Carl Smith, Rt. 1 Box 36, Jackson, N.C. 27845

LONELY HANDSOME
man against the World. Will write any lady that writes me. 25 years old, 5'10" in ht, 170 lb. wt, brown eyes, black hair, muscular body very caring and understanding. Willie Dillard #15893, P.O. Box 607, Carson City, Nevada 89701

WHITE MALE 5'9"
Brown hair, brown eyes, 185 lbs., 36 years old, wishes to correspond with anyone out there in the free world. Address: Tony R. Walser, Rt. 8, Box 89 Reidsville NC 27320

MATURE OPEN MINDED
male is seeking correspondence with women on the outside. No one under 21 years of age, who's looking for a real sweet man who will be getting out in 6 months. No games or head trips. I have no friends or family on the outside and would appreciate hearing from you soon. Please Donald Coleman #23621 P.O. Box 607 Carson City, Nevada 89701

POSSESSION GOT ME HERE
Mature 33 yr old, well built good looking guy, lonely and incarcerated is seeking correspondence with ladies on the outside who are sincere and not into head trips or games. Have no friends on the outside, and would appreciate hearing from you. Please write Kevin Sheehan #20586, P.O. Box 607 Carson City, Nevada 89701

Stimulants • 100% pure & mp

Spanish Fly • Yohimbe • Dildos

Hard-On Pills • Ticklers

Extensions & Vibrators

ACCO-BOX 7785
GSO, NC • 27417

819-854-7857



Greg Hall
Silk Screen

ALLANS
Send \$1 for Catalog
Dept HT 188
Refundable with P.O. Box 809
First Order to Mesquite Tx 7549

BLANK PHOTO ID CARDS
Make personalized Photo IDs on any typewriter! All materials furnished for 5 IDs.
Good in All States and Canada
5 FREE BIRTH CERT. HCARDS
[C-00-2A Mat] 1-304-390-1740
CARDINAL PUBLISHING, DEPT. B23
2071 Emerson, Box 6200 • Jacksonville, FL 32207

5 FOR \$10

GUATEMALAN GOODIES

Pants \$19.99 M L
Shirts \$19.99 M L XL
Shorts \$11.99 one size
a. athletic length b. Calif. style
write for free color brochure \$1.00
P.O. Box 1612 Capitolia, CA 95001
make checks payable to M. Onan

Tiger Get it Now!

RECEIVE A free CATALOG LOADED WITH COOL STUFF! ADDRESS YOURS FREE WITH EA ORDER SEND TO: PO BOX 9472 488 MILLER AVE BRIGHTON COLORADO 80601

send your address to: P.O. Box 1612 Capitolia, CA 95001

SUPERIOR INOSITOL C₆H₁₂O₄
FREE CATALOG
B COMPLEX VITAMIN E
1/2 OZ \$4.95 \$8.95
2 OZ \$4.95 \$24.95
MANY OTHER SIZES & ITEMS PREPAYMENT - FREE FREIGHT MONEY ORDER SHIP SAME DAY CODS ADD \$2.00
NATURE SCIENCE P.O. BOX 65 WOODLAND HILLS, CA 91364 (818) 704-8811

M A H
Indoor Garden For All You Grow
DIAMOND LITES
EAST COAST HALIDE & HYDROPONIC DISTRIBUTOR
151 ALKIER ST BRENTWOOD N.Y. 11717 (516)231-9472
VISIT OUR SHOWROOM
M-F 12-6 30
S 10-6 30

PIGGY MALONE'S

NOMAD Catalog of smoking accessories, gifts, etc. Send \$1 postage & handling refundable with first order to:
P.O. Box 10073 Berkeley, CA 94709

OPHIUM WORLDWIDE BOARD RIBBONS
COCAINE CAPITALISTS STASH PHRASALIS
Shouldn't proclaim good by your investment strategy?
We offer custom printed ribbons with your logo or name,
credible certification & guaranteed bar back cash always welcome. Call or write for our brochure.
We are master printers.
P.O. Box 628 New York, NY 10003 (212) 593-0420

COLORFUL DYES

MAKE YOUR OWN TIE-DYES

- Complete instructions
- 70 easy to use colors
- Vibrant, permanent Procion® cold water dyes

Carl BROOKS & FLYNN for Free Catalog and Color Chart. 1 (800) 822-2372 in CA 1 (800) 345-2026 or write BROOKS & FLYNN, Inc. Box 2639 Dept. HT, Rohnert Park, CA 94927 2639

FORGET THE AMATEUR **BULLSHIT** ABOUT BEATING DRUG TESTS!

JUST RELEASED! CONFIDENTIAL REPORT BY NOTED FORMER FEDERAL DRUG ADMINISTRATION PH.D. REGULATORY SCIENTIST REVEALS INSIDE INFORMATION \$39.95 + \$3.00 (\$42.95 by First Class Mail) by Postal Money Order to:

ARCANE PUBLISHING
P.O. Box 3812-H
Oakbrook, IL 60522-3812

ORDER NOW! RECEIVE A FREE REPRINT OF AN F.D.A. SPECIAL REPORT ON DANGEROUS HERBS!

YHUBA GOLD!
GET AS HIGH AS YOU'VE EVER BEEN!!!
GUARANTEED
LOOKS, SMOKES, SMELLS SIMILAR TO MARIJUANA
SATISFACTION GUARANTEED
ORDER NOW! Must Be Over 18
\$200 per doz to R. Hillard
6475 Pacific Coast Hwy #219, Long Beach CA 90803

ORIGINAL ART

DEALING WITH MARIJUANA ISSUES

"Blues Thirteen"

15' x 18'
Limited Edition
8-Color

Hand-signed silkscreen prints
Send for pamphlet with prices
Nick Ambriz • 720 N Van Buren
Stockton CA 95203 • (209) 463-7416
51988

1989 CALENDAR of Individual Freedom

Slick edition for U.S. filled with highlights and dark days in individual freedom. A must for libertarians, dissidents, free-marketeers and anyone angry at the govt!

\$6.95 U.S. postpaid

FREEDOM PARTY OF ONTARIO
364 Richmond St.,
3rd Floor, London Ontario
Canada, N6A 3C3
Phone (519) 433-8612
Bulk rates available

The HIGH TIMES Classified Reaches Over 2 Million People Each Month.
Whether Your Message is for Business or Pleasure,
put it in HIGH TIMES for Maximum Results.

RATES

One line ad \$1. Keyword

Discount for contracts:

Three consecutive ads	\$1.50
Six consecutive ads	\$1.50
Twelve consecutive ads	\$1.25

CLASSIFIED DISPLAY

\$150 per column inch
Column width is 1 5/8 inches

Discount for contracts

Three consecutive ads	\$140/column
Six consecutive ads	\$1.00/column
Twelve consecutive ads	\$1.20/column

All display ads must be delivered camera ready

TO ORDER

MINIMUM AD IS TEN WORDS

Post Office Box #'s and telephone #'s count as two words each.

All ads must be typewritten.

ALL ADVERTISING MUST BE FULLY PAID IN ADVANCE WITH CHECK OR MONEY ORDER, NO CASH

Ad will appear 60 to 90 days after receipt

All ads are accepted at the discretion of the Publisher

No advertisements for chemicals, chemical supply houses, formulas, extraction methods or synthesis reports will be accepted.

Call for Advertising Acceptability Policy (212) 972-8484

Mail to HIGH TIMES Classified

211 E. 43rd Street, New York, NY 10017

Please include a sample of your product or catalog with your ad, and your street address and phone number

2	3
4	5
6	7
8	9
10	11
12	13
14	15
16	17
18	19
20	21
22	23
24	25
26	27
28	29
30	31
32	33
34	35
36	37
38	39

Cost of Ad

_____ words at _____ per word = _____ Total.

Payment must be enclosed with order
(Check or money order only please)

Name _____

Address _____

City _____

State _____ Zip _____

BOOKSTORE

MARIJUANA



MARIJUANA: THE CULTIVATOR'S HANDBOOK

by Bill Drake

The most up-to-date information for the outdoor and indoor marijuana cultivator, with over 100 photographs, drawings, charts, maps and a special section on psychoactive tobacco. HTB/25 \$14.95

PSYCHEDELIC MUSHROOMS & THEIR ALLIES



PAUL'S TAMENTS

by Paul Stamets

Literally everything you ever want to know about hallucinogenic mushrooms can be found within this book. Complete with dozens of color photographs, diagrams, and glossary, it will prove an invaluable addition to your psychedelic library. HTB/16 \$12.95

INSIDE AMERICA'S #1 UNDERGROUND INDUSTRY the SINSEMINA Technique



by Kayo

Written for the curious as well as the experienced, this technique tells how fewer plants in smaller pots can yield more cannabis of higher quality. The book includes photographs and illustrations. HTB/30 \$14.95

The Secret Garden



by George Lassen

Succinct, highly readable and well-illustrated. A good beginner's guide to outdoor cultivation with chapters on site selection, camouflage, sexing, predators and drying, among others. HTB/50 \$14.95



indoor marijuana cultivation

INTRODUCING
THE 1000 WATT
METAL HALIDE LIGHT



INDOOR MARIJUANA CULTIVATION

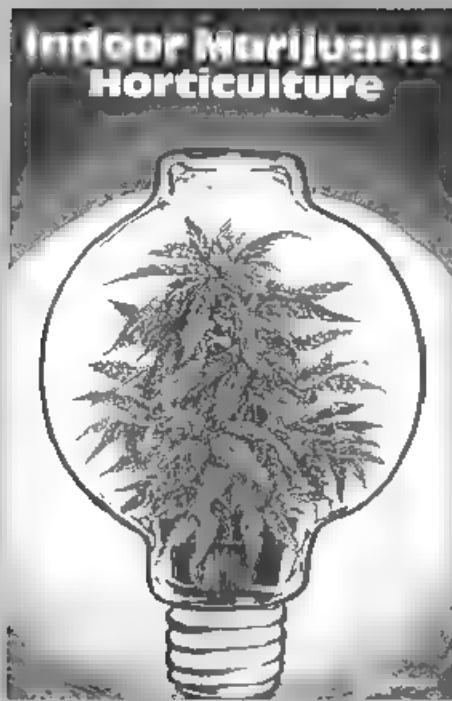
compiled by Murphy Stevens

Simple directions and accompanying photographs make this book informative and easy to follow. Learn the best methods of growing marijuana indoors with lights. HTB/40 \$5.95

SINSEMILLA

by Jim Richardson

A photographic tour de force of the virgin pot plants, with instructions on how to grow your own. HTB/1 \$19.95

**INDOOR MARIJUANA****HORTICULTURE***by High Times' Indoor expert***Jorge Cervantes**

The book all indoor growers must have. It is the most complete, authoritative, up-to-date book on indoor marijuana cultivation ever! This 268-page edition is well illustrated with over 250 photographs, drawings and graphs. It is packed full of information on grow rooms, grow lamps, electricity, container gardening, water, fertilizer, hydroponics, air, CO₂, bugs, fungi, cloning, harvesting, breeding and it has a garden calendar, index, glossary and directory of indoor garden suppliers! HTB/42 \$16.95

INDOOR SINSEMIILLA*by G. Anthony Burgess*

A basic primer on under-the-roof sinse cultivation, covering everything from seed selection, choice of grow media, equipment advice, plant care and preparation, and harvesting procedures. Illustrated with photos (color and B&W) and drawings. HTB/48 \$9.95

HYDRO-STORY*by Charles E. Sherman and Hap*

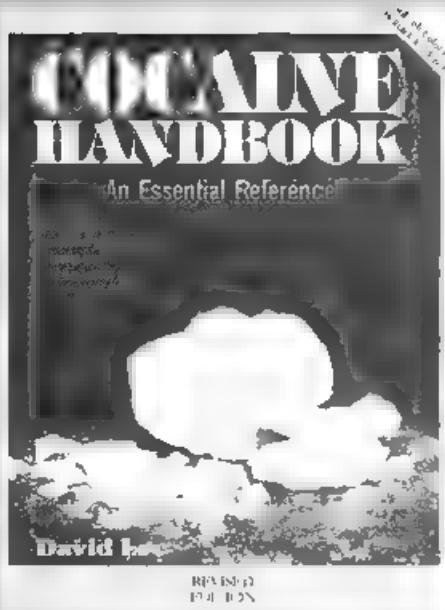
How to grow the easy way, get big yields from little gardens in your backyard, patio, apartment, etc. HTB/36 \$9.95

SNOW BLIND*by Robert Sobbag*

An all-out, nonstop, mind-jolting journey through the dazzling high-altitude world of an international cocaine smuggler. HTB/18 \$3.95

KNIGHT COCK*by Antonii*

A well documented presentation of how wholesale dope movers and narcotics officials actively collaborate in the international drug trade. HTB/21 \$9.95

**COCAINE HANDBOOK***by David Lee*

An updated edition of a classic reference, written in the spirit of consumer protection. Includes sections on applicable laws, where to go for help with abuse problems, and the straight dope on health hazards, adulterants, and garbage freebase ("crack"). Fully illustrated. HTB/31 \$24.95

**MAGIC MUSHROOM HANDBOOK***by Gary F. Messer*

A pocket guide to collection, identification, and preparation of magic and poisonous mushrooms. Comes complete with glossary, extensive bibliography for further research, and color pix. HTB/10 \$9.95

WEED*by Jerry Kamstra*

An underground classic back in print! The best book on Mexico published in the last 10 years! Stolen from libraries, borrowed from friends, passed from hand to hand like a valuable treasure, Weed is one of a kind, a poignant portrait of backroads Mexico, the people who live in the mountains and make their living off the illegal weed! It reads like a novel but it's all true---with a 10-page glossary and 50 full-page photographs from the collection of Roberto Ayala. HTB/51 \$9.95

**CALL TOLL FREE
FOR ORDERS ONLY**

800-435-0715

In Ill. 800-892-0753

 MasterCard VISA Payment enclosed MasterCard VISA

Card # _____

Expiration date _____

Signature _____

Please send me the books I have indicated below:

BOOK#	QUANTITY X	PRICE =	COST
HTB/1		\$19.95	
HTB/10		\$ 9.95	
HTB/16			
HTB/18		\$ 3.95	
HTB/21		\$ 8.95	
HTB/25		\$14.95	
HTB/30		\$14.95	
HTB/31		\$24.95	
HTB/36		\$ 9.95	
HTB/40		\$ 5.95	
HTB/42		\$16.95	
HTB/48		\$ 9.95	
HTB/50		\$14.95	
HTB/51		\$ 9.95	

Subtotal \$ _____

Add \$1.75 shipping for each book \$ _____

Grand Total \$ _____

HTB _____ HTB _____ HTB _____ HTB _____ HTB _____

Make check payable to H. T. Bookstore.
Mail to: HIGH TIMES Books, P.O. Box 410, Mt. Morris, IL
61054

Please allow 6-8 weeks for processing and delivery.

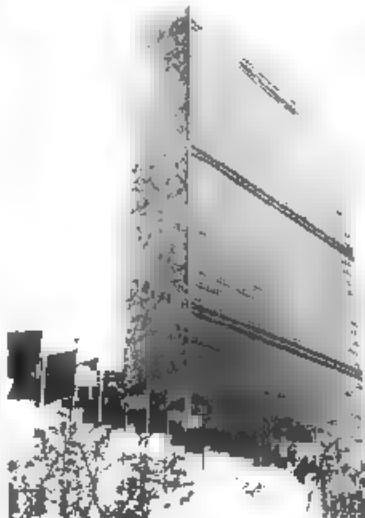
NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____



The Visitor's Guide to New York



1. See the U.N...
Watch the Diplomats
Scream at each other.



2. See Oh! Calcutta!TM
at the Edison Theatre
47th Street West of Broadway

THE CHILDREN OF THE ORIGINAL AUDIENCES
ARE NOW COMING TO SEE OH CALCUTTA!
AND THEIR CHILDREN DOUBTLESS WILL TOO!
TIME 1986

Tickets at the box office and **TICKETRON**^{*}
Buy tickets with your credit cards by calling
212-302-2302 10 am to Midnight, 7 days,
or call **TELETRON**^{*} (24 hours 7 days)
(212) 947-0033, (516) 794-2560, (201) 343-4200.
For mature audiences only



3. Visit Central Park...
Rendez-vous with Amour.

I NY



4. See Wall Street
Rub elbows with a
Wall Street tycoon.



• "Selecting A Variety To Grow," an excerpt from cultivation pioneer Mel Frank's new book, *Marijuana Grower's Insider's Guide*, gives a rundown on every type of marijuana on the planet, and what results to expect from growing each variety in your setup.

• "NORML Comes To Your House," a transcript of testimony presented by Marvin D. Miller, Esq., on behalf of NORML before the House Select Committee On Narcotics Abuse and Control.

• "1989: The Year of Protest," by Ed Hassle
Plus: "Starting From Seed," by Kyle Roq, and the return of Bob Fingerman's DOCTOR VON GROWHIGH!

GROW BIGGER, HEALTHIER, MORE POTENT PLANTS FASTER **EcoGrow & EcoBloom**

COMPLETE PLANT NUTRIENTS

Scientifically formulated to maximize growth and quality with soil or hydroponic growing mediums. Six different formulas now available to cover all growing conditions and stages of maturity.

N-P-K:

- 10-8-14 ECOGROW STANDARD, for most plants and young plants under medium light and temperature
- 15-7-12 ECOGROW "M," more nitrogen for more foliage and faster growth subtropical formula
- 20-6-12 ECOGROW "R," 20% available nitrogen for tropical plants or fast growing plants, bright light
- 3-35-10 ECOBLOOM, low nitrogen and high phosphorous promotes flowering resin production and maturity when they're ready! Maximum potency and quality on mature plants
- 14-6-17 ECOGROW "R" specially formulated for rockwool growing. Using chelated trace elements, it naturally counteracts the tendency of rockwool to go alkaline. Dissolves 100%.
- 6-25-17 ECOBLOOM "R," specially formulated for rockwool bloom stage. Chelated trace elements dissolve 100%.

All ECOGROW formulas contain every major and trace element needed by your plants. pH adjusted and balanced. Economical one pound of ECOGROW or ECOBLOOM makes up to 96 gallons of high-potency plant nutrients. Easy to use 1-2 Tsp. per gallon of water feed normally. Can be broadcast dry around plants watered in. Proven ECOGROW since 1972 an industry standard of excellence for the discerning grower worldwide!

ECOGROW can now be ordered factory-direct! VISA, MasterCard, UPS COD accepted!

16 oz bottle of Ecogrow Std S or M	\$4.98	Send to ECD ENTERPRISES
16 oz bottle of Ecobloom	\$5.98	Dept E 2B21 N.E. 45th St
16 oz bottle of Ecogrow "R" or Ecobloom "R"	\$6.98	Seattle WA 98105
5 lb box Ecogrow Std S or M	\$16.60	1-800-426-6937
5 lb box Ecobloom, Ecogrow "R" or Ecobloom "R"	\$21.00	
10 lb box Ecogrow Std S or M	\$28.10	Please ship me
10 lb box Ecobloom Ecogrow "R" or Ecobloom "R"	\$35.90	
25 lb box Ecogrow Std S or M	\$61.50	
25 lb box Ecobloom Ecogrow "R" or Ecobloom "R"	\$78.50	

Metal Halide (H.I.D.) Lighting

400 W. Halide - 40,000 Lumens	\$155.00
1000 W. Halide - 125,000 Lumens	\$199.95

Mention this ad when ordering lights and receive 5 lbs. of free nutrient
53 page HYDROPONIC GUIDEBOOK & CATALOG FREE
"1988 EDITION COMPLETE & INFORMATIVE"

DEALERSHIP INQUIRIES INVITED - USE LETTER HEAD!

Telephone orders accepted, call ECO toll-free 1-800-426-6937
(in WA call 206) 523-9300 525-4784

Prices listed do not include postage & handling.
UPS shipping can be sent COD

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

VISA or MasterCard # _____ Exp. Date _____

GUARANTEED LOWEST PRICES!

OUR GUARANTEE: We will beat anyone's price on these top quality stimulants, decongestants and diet aids!

You MUST mention this ad for these prices!

EPHEDRINE TABS

(T1-T4)
\$10.95/1000
\$2.95/100

ENERGY TABS

(T5-T10)
\$17.95/1000
\$2.95/100

ENERGY CAPSULES

(T11-T16)
\$19.95/1000
\$3.95/100

Use Only As Directed.
No Sales to Minors.

Ordering Is Easy!
Simply call in your order.
Visa & MasterCard Welcome.

SAME DAY SHIPPING
via UPS, UPS Blue Label
or First Class Mail.
Add \$3.50 for handling
per shipment.
(No C.O.D. on orders
under \$5.00.)

ORDER NOW!
Call Toll-Free:
1-800-547-7004

In Oregon:
1-503-282-8786

Or Write To:
M.A. PRODUCTS
1618 N.E. 8th Ave.
Portland, OR
97232

CAUTION:
Offer valid where
prohibited
by law.

CALL TODAY!
1-800-547-7004

LIMITED
TIME
OFFER

FREE
SAMPLES
ANYTIME

STIMULANTS!

STIMULANTS

STIMULANTS

1000 mg.



D&E 200 mg. 1000 mg.

D&E 100 mg. 500 mg.

D&E 50 mg. 250 mg.

D&E 25 mg. 125 mg.

D&E 12.5 mg. 62.5 mg.

D&E 6.25 mg. 31.25 mg.

D&E 3.125 mg. 15.625 mg.

D&E 1.5625 mg. 7.8125 mg.

D&E 0.78125 mg. 3.90625 mg.

D&E 0.390625 mg. 1.953125 mg.

D&E 0.1953125 mg. 0.9765625 mg.

D&E 0.09765625 mg. 0.48828125 mg.

D&E 0.048828125 mg. 0.244140625 mg.

D&E 0.0244140625 mg. 0.1220703125 mg.

D&E 0.01220703125 mg. 0.06103515625 mg.

D&E 0.006103515625 mg. 0.030517578125 mg.

D&E 0.0030517578125 mg. 0.0152587890625 mg.

D&E 0.00152587890625 mg. 0.00762939453125 mg.

D&E 0.000762939453125 mg. 0.003814697265625 mg.

D&E 0.0003814697265625 mg. 0.0019073486328125 mg.

D&E 0.00019073486328125 mg. 0.00095367431640625 mg.

D&E 0.000095367431640625 mg. 0.000476837158203125 mg.

D&E 0.0000476837158203125 mg. 0.0002384185791015625 mg.

D&E 0.00002384185791015625 mg. 0.00011920928955078125 mg.

D&E 0.000011920928955078125 mg. 0.000059604644775390625 mg.

D&E 0.0000059604644775390625 mg. 0.0000298023223876953125 mg.

D&E 0.00000298023223876953125 mg. 0.00001490116119384765625 mg.

D&E 0.000001490116119384765625 mg. 0.000007450580596923828125 mg.

D&E 0.0000037252902984619140625 mg. 0.00000187502902984619140625 mg.

D&E 0.00000187502902984619140625 mg. 0.000000937514514923095703125 mg.

D&E 0.000000937514514923095703125 mg. 0.0000004687572574615478515625 mg.

D&E 0.0000004687572574615478515625 mg. 0.00000023437862873077392578125 mg.

D&E 0.00000023437862873077392578125 mg. 0.000000117189314365386962890625 mg.

D&E 0.000000117189314365386962890625 mg. 0.0000000585946571827934814453125 mg.

D&E 0.0000000585946571827934814453125 mg. 0.00000002929732859139674072265625 mg.

D&E 0.00000002929732859139674072265625 mg. 0.000000014648664295698370361328125 mg.

D&E 0.000000014648664295698370361328125 mg. 0.00000000732433214784918518064453125 mg.

D&E 0.00000000732433214784918518064453125 mg. 0.000000003662166073924592590322265625 mg.

D&E 0.000000003662166073924592590322265625 mg. 0.0000000018310830369622962951611328125 mg.

D&E 0.0000000018310830369622962951611328125 mg. 0.000000000915541518481148147580564453125 mg.

D&E 0.000000000915541518481148147580564453125 mg. 0.000000000457770759240574073790282265625 mg.

D&E 0.000000000457770759240574073790282265625 mg. 0.0000000002288853796202870368951411328125 mg.

D&E 0.0000000002288853796202870368951411328125 mg. 0.000000000114442689810143518447570564453125 mg.

D&E 0.000000000114442689810143518447570564453125 mg. 0.000000000057221344905071759223785282265625 mg.

D&E 0.000000000057221344905071759223785282265625 mg. 0.000000000028610672452535879611892644453125 mg.

D&E 0.000000000028610672452535879611892644453125 mg. 0.000000000014305336226267939805947322265625 mg.

D&E 0.000000000014305336226267939805947322265625 mg. 0.0000000000071526681131339699529736611328125 mg.

D&E 0.0000000000071526681131339699529736611328125 mg. 0.000000000003576334056566984979886830564453125 mg.

D&E 0.000000000003576334056566984979886830564453125 mg. 0.000000000001788167028283492490443415282265625 mg.

D&E 0.000000000001788167028283492490443415282265625 mg. 0.000000000000894083514141746245222175764453125 mg.

D&E 0.000000000000894083514141746245222175764453125 mg. 0.000000000000447041757070873122611087832265625 mg.

D&E 0.000000000000447041757070873122611087832265625 mg. 0.0000000000002235208785354365613055439164453125 mg.

D&E 0.0000000000002235208785354365613055439164453125 mg. 0.0000000000001117604392677182806527719532265625 mg.

D&E 0.0000000000001117604392677182806527719532265625 mg. 0.00000000000005588021963385914032638595164453125 mg.

D&E 0.00000000000005588021963385914032638595164453125 mg. 0.00000000000002794010981692957016319297582265625 mg.

D&E 0.00000000000002794010981692957016319297582265625 mg. 0.0000000000000139700549084647850815964894164453125 mg.

D&E 0.0000000000000139700549084647850815964894164453125 mg. 0.0000000000000069850274542323925407982447082265625 mg.

D&E 0.0000000000000069850274542323925407982447082265625 mg. 0.0000000000000034925137271161962703991223544453125 mg.

D&E 0.0000000000000034925137271161962703991223544453125 mg. 0.0000000000000017462568635580981351995611772265625 mg.

D&E 0.0000000000000017462568635580981351995611772265625 mg. 0.00000000000000087312843177904906759978058864453125 mg.

D&E 0.00000000000000087312843177904906759978058864453125 mg. 0.00000000000000043656421588952453379989029432265625 mg.

D&E 0.00000000000000043656421588952453379989029432265625 mg. 0.000000000000000218282107944762267899945147164453125 mg.

D&E 0.000000000000000218282107944762267899945147164453125 mg. 0.000000000000000109141053972381133949972573582265625 mg.

D&E 0.000000000000000109141053972381133949972573582265625 mg. 0.00000000000000005457052698619056697498628679164453125 mg.

D&E 0.00000000000000005457052698619056697498628679164453125 mg. 0.00000000000000002728526349309528348749314339582265625 mg.

D&E 0.00000000000000002728526349309528348749314339582265625 mg. 0.0000000000000000136426317465476417437465717979164453125 mg.

D&E 0.0000000000000000136426317465476417437465717979164453125 mg. 0.0000000000000000068213158732738208718732858989164453125 mg.

D&E 0.0000000000000000068213158732738208718732858989164453125 mg. 0.0000000000000000034106579366369104359366444949164453125 mg.

D&E 0.0000000000000000034106579366369104359366444949164453125 mg. 0.00000000000000000170532896831845551796832224749164453125 mg.

D&E 0.00000000000000000170532896831845551796832224749164453125 mg. 0.000000000000000000852664484159227758984161123749164453125 mg.

D&E 0.000000000000000000852664484159227758984161123749164453125 mg. 0.0000000000000000004263322420796138794920805688749164453125 mg.

D&E 0.0000000000000000004263322420796138794920805688749164453125 mg. 0.00000000000000000021316612103980693974604028443749164453125 mg.

D&E 0.00000000000000000021316612103980693974604028443749164453125 mg. 0.000000000000000000106583060519903469873020142218749164453125 mg.

D&E 0.000000000000000000106583060519903469873020142218749164453125 mg. 0.0000000000000000000532915302509952349865100711108749164453125 mg.

D&E 0.0000000000000000000532915302509952349865100711108749164453125 mg. 0.00000000000000000002664576512549761749325035555543749164453125 mg.

D&E 0.00000000000000000002664576512549761749325035555543749164453125 mg. 0.000000000000000000013322882562748808746625177777723749164453125 mg.

D&E 0.000000000000000000013322882562748808746625177777723749164453125 mg. 0.0000000000000000000066614412813744044323325888888618749164453125 mg.

D&E 0.0000000000000000000066614412813744044323325888888618749164453125 mg. 0.00000000000000000000333072064068720221616629444444343749164453125 mg.

D&E 0.00000000000000000000333072064068720221616629444444343749164453125 mg. 0.0000000000000000000016653603203436011080831472222218749164453125 mg.

D&E 0.0000000000000000000016653603203436011080831472222218749164453125 mg. 0.00000000000000000000083268016017218005404157286111108749164453125 mg.

D&E 0.00000000000000000000083268016017218005404157286111108749164453125 mg. 0.000000000000000000000416340080086090027020786430555543749164453125 mg.

D&E 0.000000000000000000000416340080086090027020786430555543749164453125 mg. 0.000000000000000000000208170040043045013510393215277777723749164453125 mg.

D&E 0.00000000000000000000020817004004304501351039321527777723749164453125 mg. 0.0000000000000000000001040850200217225067551966076388888618749164453125 mg.

D&E 0.0000000000000000000001040850200217225067551966076388888618749164453125 mg. 0.000000000000000000000052042501001086125327798333333343749164453125 mg.

D&E 0.000000000000000000000052042501001086125327798333333343749164453125 mg. 0.0000000000000000000000260212505005430625168991666666718749164453125 mg.

D&E 0.0000000000000000000000260212505005430625168991666666718749164453125 mg. 0.0000000000000000000000130106252502715312508495833333343749164453125 mg.

D&E 0.0000000000000000000000130106252502715312508495833333343749164453125 mg. 0.00000000000000000000000650531251251356562504249583333343749164453125 mg.

D&E 0.00000000000000000000000650531251251356562504249583333343749164453125 mg. 0.00000000000000000000000325265625062567812521249583333343749164453125 mg.

D&E 0.00000000000000000000000325265625062567812521249583333343749164453125 mg. 0.0000000000000000000000016263281253128390625106249583333343749164453125 mg.

D&E 0.0000000000000000000000016263281253128390625106249583333343749164453125 mg. 0.00000000000000000000000081316406251564478125531249583333343749164453125 mg.

D&E 0.00000000000000000000000081316406251564478125531249583333343749164453125 mg. 0.000000000000000000000000406582031257822390625268249583333343749164453125 mg.</

ASK-ED

continued from page 73

SINGLE BUD FROM SEED?

Dear Ed,

Is there any way I can grow a plant from seed into one long bud?

—T-Bolt
Charleston, SC

Put the plant into flowering when it is below a foot tall with no branching. Side branches can be clipped off.

CAN THEY TAKE THE HOUSE?

Dear Ed,

My wife and I have worked hard for years to purchase our first house. If we are raided with a garden cultivating less than a pound, can the government seize our home?

Thank you,
—Sincerely Dazed and Confused

Under federal law, a space where manufacturing drugs (growing marijuana) takes place can be seized, no matter whether there was intent to sell or not. Local seizure policies vary.

IONS ADEQUATE?

Dear Ed,

I am starting up a 10' x 10' room. I have all the details worked out but one—the odor I plan to have a negative ion generator in the room itself and then vent the air into the attic. Is this adequate?

Thanks,
—S
 Sulphur Springs, TX

Yes.

HOW TALL DO CUTTINGS GET?

Dear Ed,

Recently one of my friends told me that if you flower a 12" cutting under high pressure sodium (HPS) light, it would stretch out to four feet at maturity. Another friend told me that he flowers the cuttings when they are 10" tall and they only reach a height of 24" when they are mature. Could you please straighten this out for me?

—Confused
Michigan

It is not primarily the light, but the genetics that determines how a plant responds to early flowering. Many sativas continue growing, so they get rather tall, even when flowered at a very short size.

continued on page 87

WHOLESALE LIGHT SUPPLIERS

1-800-333-LITE "Don't Pay Retail"

BASIC KITS (NO REFLECTOR OR ENCLOSURE)

1000 HAL IDP (MS 1000)	\$150.00
400 HALIDE (MS 400)	\$105.00
1000 HIGH PRESSURE SODIUM (LJ 1000)	\$195.00
400 HIGH PRESSURE SODIUM (LU 400)	\$165.00

EXPANDED KITS (48" REFLECTOR AND STEEL ENCLOSURE)

1000 HAL IDP (MS 1000)	\$175.00
400 HALIDE (MS 400)	\$130.00
1000 HIGH PRESSURE SODIUM (LJ 1000)	\$225.00
400 HIGH PRESSURE SODIUM (LU 400)	\$190.00

C O D's SHIPPED

VISA AND MASTER CHARGE

CARBON DIOXIDE SYSTEMS COMPLETE

AIR PURIFIERS ELIMINATES SKUNK ODOR (150 cfm)

DEALER INQUIRIES WELCOME

CALL COLLECT FOR LIGHTS

\$150.00

\$109.00

BOX 3361, SPOKANE, WA 99220-3361

Free Catalogue

TAKE THE BEST LIVING SYSTEM FORGET THE REST

Living System is more than just a growing apparatus. It is a scientifically proven approach to horticulture so fool-proof even first time users will achieve guaranteed minimum yields. But most important is that many customers nationwide over the last six years continue to enjoy the benefits of lush indoor gardens all year round. They report greater yields and higher quality in less time. Bottom line is quicker return on time and investment. See why more and more indoor growers are taking their needs to Light Mfg. Co.

Suncrescens

• 1 Light System 8 x 8 room	139.95
• 2 Light System 10 x 10 room	189.95
• 3 Light System 12 x 12 room	249.95

Lighting

• 400W Metal Halide w parabolic reflector	188.95
• 1000W HPS w parabolic reflector	259.95
• 400W Metal Halide w 2 cone reflector	139.95
• 175W Halide or 150W HPS mini-horizontal light	109.95

Living Systems

• Basic System includes Heart six (6) cells and Nutrient Supply Center	161.00
• Expandable to 72 cells, with 6, 12 and 18 cell kits	
• Six (6) cell access kit includes—pump, timer, nutrients, pH up, pH down, pH adjustment dispenser, bloom builder, rockwool, and pH test kit	117.60
• Basic System and Access Kit	264.95
• Twelve (12) cell system with accessory kit	342.30
• Thirty-six (36) cell system with accessory kit	559.90
• Sixty (60) cell system with accessory kit	999.95

All Systems and access kits are discounted 5% when purchased together.

CLOSET SYSTEM

• Six (6) cell Closet system expands to Living System with Heart and Nutrient Supply Center. Includes pump, timer, nutrients, pH down, rockwool 6 Living System cells	149.90
• Ten (10) cell Closet Nursery. Includes 10 Living System growth modules, pump, timer, nutrients, pH down, rockwool, test kit, reservoir bag	149.90
• Closet system with mini-horizontal	254.95

CREATE YOUR OWN CUSTOM SYSTEM

• All Living System components, accessories and parts may be purchased separately for those who wish to create their own custom or experimental growing system

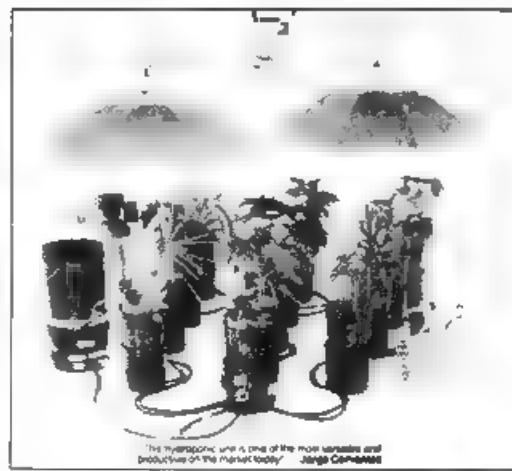
FREE PHONE CONSULTATION

• Feel free to call us at 1-800-231-582 with your indoor growing questions. One of our experienced consultants will gladly assist you. Visit our showroom today for a demonstration of our continuous production system and a look at our line of horticultural products.

SAME DAY SHIPPING SERVICE

MasterCard VISA AmEx  FREE CATALOG

DEALER INQUIRIES WELCOME



This is a typical unit in one of the more popular and productive units on the market today. *Jorge Cervantes*

CELL

• Individual and interchangeable growth modules, shut-off clamp with easy disconnect

\$11.00

HEART

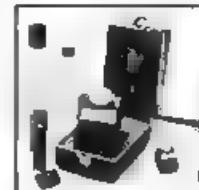
• Adjustable nutrient flow automatic flush and air, total nutrient recirculation

\$55.00

NUTRIENT SUPPLY CENTER

• Five gallon mixing reservoir, nutrient level regulator, reservoir expansion port

\$50.00



CO₂ INJECTION SYSTEM

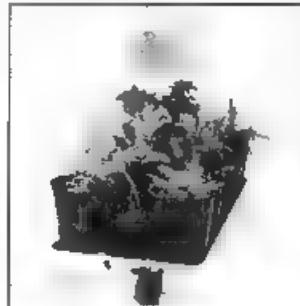
• Complete with timer and instructions

\$149.90

ELIMINATE GUESSWORK

Follow our recommendations with precision by using our Professional Parts Per Million (PPM) Meter with padded case and standard solution to monitor nutrient concentration for only \$179.90. And our electronic pH Pen with standard solution to check system pH for only \$64.90. Free estimates given on complete systems including lights, timers, fans, CO₂, nutrients, pH adjustment reflectors, mylar, and rockwool.

30 DAY MONEY BACK GUARANTEE



CALL NOW TOLL FREE AT 1-800-NOW-LITE

Light Manufacturing Company 1634 S.E. Brooklyn, Portland, OR 97202

WANTED

1. LEFT THUMB



2. RIGHT INDEX



3. LEFT MIDDLE



4. LEFT RING



5. LEFT LITTLE



An arrest for marijuana can be a devastating experience, not just for the victim, but for the family and friends as well.

Even those who don't go to jail can face an arrest record, probation, urine testing, property confiscation and the humiliation and shame associated with a trip through our criminal justice system.

Unfortunately, people **ARE** going to jail for marijuana. And the numbers are increasing. A community social worker in Texas was just sentenced to 60 days in jail and fined \$1500 for possession of 2/10th's of a gram of marijuana. It was her first offense.

These people need our support.

NORML provides legal referrals and assistance, credible information about marijuana and the reassurance of moral support. We need your help!

If you or someone in your family has been arrested for marijuana, please write us about your experience.

If you or someone in your family has submitted to a random urine test and lost their job due to an inaccurate result, please write us about your experience.

If you have not yet been arrested or urine tested for marijuana, please help us help the victims while we work together to prevent it from happening to you!

Please send a generous donation or join NORML today!

6. RIGHT THUMB



7. RIGHT INDEX



8. RIGHT MIDDLE



9. RIGHT RING



10. RIGHT LITTLE



MAIL TO:

**NATIONAL ORGANIZATION FOR
THE REFORM OF MARIJUANA**

LAWs 2001 'S' Street, N W , Suite 640,
Washington, D C 20009

(202) 483-5500

NORML, I want to help prevent it from
happening to anybody!



Here's my **\$25** regular
membership dues.



Here's my **\$15** low-
income, military or student member-
ship dues



Here's my **\$35** family
membership dues.



Sorry, I can't join right
now, but here's a contribution of
\$_____

NAME: _____

ADDRESS: _____

CITY: _____

STATE: _____

ZIP: _____

TELEPHONE: _____

ASK ED

continued from page 85

STRESSING FEMALES

Dear Ed,

I have a tip for your readers. Interrupt the light cycle of a sexed female by increasing the light period to 20 hours and then back to five hours. Do this several times to induce hermaphroditism. The male flowers contain pollen that will produce only female seed.

Keep on tokin'

—Potted

Ithaca, NY

LONGER DAYS FOR FLOWERING

Dear Ed,

While doing research for my indoor garden I came across some information on photoperiod and flowering that confused me. All of your information that I have read recommends 12-on/12-off for the lights. I understand this.

In the May '88 issue of HIGH TIMES, Dr Indoors states, "The light at this cycle will be set to give 12 hours of complete dark to the plants. The day cycle can be set at any amount of time from 12-48 hours. The plants need 12 hours of dark to insure proper flowering." Could you please explain this to me? I thought that more than 12-16 hours of continuous light would force the plants back into the vegetative state.

—The Munk
Christopher, IL

Marijuana measures the number of hours of uninterrupted complete darkness, not the number of hours of light. Some growers have been experimenting with a longer light-cycle, while keeping the dark period at 12 hours. They say that this increases total bud growth.

Multi-day timers can be used to extend the light period. They are available at some grow stores.

• I welcome comments, tips, and questions regarding marijuana and marijuana cultivation. Send all letters to Ask Ed HGH TIMES, 211 E. 43rd St., New York, NY 10017. Also send entries for the Bud Plant, and Garden of the Month Contests. All correspondents whose letters or photos are used will receive a free copy of my book, Marijuana Growers Handbook, Indoor Greenhouse Edition.

• By submitting your photograph(s), you hereby grant permission to publisher to reprint the photograph(s) in HIGH TIMES magazine as well as any other Trans-High Corporation publications.

UTGS™ URBAN-TEK GROWERS SUPPLY

WE STOCK FOR IMMEDIATE SHIPMENT A FULL LINE OF SYSTEMS & SUPPLIES, INCLUDING:

Metal Halides Aqualarms™
HPS Sodiums Quads, Solas
Conversion Bulbs Rockwool
Horizontal Hoods Geelite™
Vertical Hoods CO₂ Kits
Sun Circles™ Thermostats
Light Tracks™ Humidifiers
Light Meters Vent Fans



Timers Testers Eco™ Nutrients
pH Meters Oceans Solutions™
Cloning Kits Oasis Root Cubes™
Seabird Guard Zestron™ Ionizers
Budswell™ Plantastic™ Products
General Hydroponics™ Nutrients

UTGS™

2911 W. WILSHIRE BLVD.
OKLA. CITY, OK 73116

(405) 843-1888 within OK
(800) 358-3771 TOLL FREE

DON'T BE MISLED!

OUR QUOTES INCLUDE SHPP NG.

Call now for the lowest prices!

All orders shipped within 24 hours

DISCOVER THE NEXT REVOLUTION IN HOME-GROWING IN THE NEW MARIJUANA GROWER'S INSIDER'S GUIDE

Mel Frank, author and photographer of the classic "bible" *Marijuana Grower's Guide Deluxe* has resurfaced with an amazing new book. Even in draft form, it won raves from the experts. Every aspect of cultivation is covered, and new secrets are revealed in straight talking easy to understand terms.

MARIJUANA Grower's Guide



YOU TOO WILL BECOME A MASTER GROWER

Min-Gardens to Commercial Production • Greenhouses • Haldes • HPS's • Backyards • Hydroponics • New Nutrient Formulas • Increase Potency • Triple Production • Eliminate Rot • 10 More Miles...

Marijuana Grower's Guide (New!)

380 pages • 200 Photos THC Graphs-Drawings-Charts

Marijuana Grower's Guide Deluxe (the "bible")

350 pages • 150 B & W plus 50 color plates

Postage and Handling

California address only (tax per book)

\$19.95

19.95

per book 3.00

add 1.30

Total Enclosed

Mail your order with check or money order payable to:

RED EYE PRESS • P.O. BOX 876274 • LOS ANGELES, CA 90087



THE NEW REVISED EDITION OF DR. INDOORS: A GUIDE TO CANNABIS FEATURING THE EVIMAL



SEND TO: BRAHM • DR. INDOORS

P.O. BOX 20

BRAintree, VERMONT
05801

* OVERSEAS: BOOK IS

16oz [POSTAGE TO

HOLLAND BY AIR \$6.00

BY SEA \$2.00]

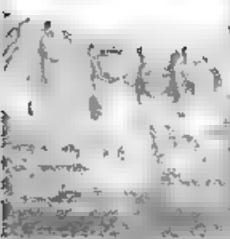
It's Only ROCK'N'ROLL But You Like It

**Sept. 1978 No. 13
RARE ISSUE**

Bob Marley Interview Peter Tosh on Holy Smokes. The HIGH TIMES Guide to Jamaica. How Kit is Cut. How to Buy a Judge. 8-page Zippy comic. Even Cowgirls Get the Blues (by Tom Robbins). \$25.00



Nov. 1978 No. 51
Women in Rock Joan Jett Debbie Harry, Nancy Wilson Chaka Khan, Genya Raver, R.D. Laing Interview. Dope in the Comics Part 1. Patent Medicines Message. Garbology \$5.00



June 1981 No. 70

Jim Morrison: A Personal Remembrance by Tom Baker. G. Gordon Liddy Interview. Cheech and Chong and Us. Bedtime for Gonzo: Down and Out at the Reagan inauguration. Grass in the Joint. \$5.00



**Nov. 1988 No. 135
ORDER NOW!
LIMITED SUPPLY**

The Chocolate Watch Band. Smuggler's Journal. Ecstasy on Trial. 1988 Harvest Report. Babe Boom at the Mickey Mouse Cafe. "My America" by Ed Hassle. Family Thai Sticks photo-funny. \$10.00

April 1984 No. 104

Rise and Fall of an American Guru Hero Michael Bloomfield. Bill Haley: The Daddy of Rock n Roll. James Lee and the Elephants of Life. The Palauan Papers. Confessions of a Bruce Lee Fanatic. \$5.00



High Times

**June 1977 No. 22
LIMITED SUPPLY**

Debbie Harry of Blondie (The Marilyn Monroe of Punk n Rock), Confessions of a Hashish Eater (by Albert Goldman), Dope in the Cinema (by Joe Kane), The Fabulous Furry Freak Brothers (by Gilbert Shelton). \$15.00



HIGH TIMES is best known for its drug information, but our rock coverage has been pretty damn good. Check out some of these HIGH TIMES back issues. You'll see what we're talking about.

Jan. 1978 No. 29

Keith Richards Interview. Tina Turner, Lord Buckley, the Clown Prince of Jive (by Albert Goldman). Informer Chic. Lebanon: The Valley of Hashish. Robots You Can Buy. Harley Davidson. Zippy comic. \$25.00



**Nov. 1980 No. 63
SPECIAL MUSIC
ISSUE!
SHORT SUPPLY**

John Lydon (nee Rotten) in a view. Elvis Presley & Dope Doctor. The Day They Buried Jimi Hendrix. New Wave Party. Notes To You (by Tuli Kupferberg). Music for the 80s. Wanted: The Real Urban Cowboy. \$25.00

**Feb. 1985 No. 114
COLLECTOR'S
EDITION**

Ridin' High With 22 Top Mutants From Outer Space. The Complete Cannabis Q & A (by Dean Latimer). Party Time in Brazil's Backwoods. The Hi-Q Test. \$10.00



**CALL TOLL FREE
FOR ORDERS ONLY**

800-435-0715

In Ill. 800-892-0753



Payment enclosed
 MasterCard Visa

Card # _____

Expiration date _____

Signature _____

CHECK BOX:

<input type="checkbox"/> ISSUE #13	PRICE \$25.00
<input type="checkbox"/> ISSUE #22	PRICE \$25.00
<input type="checkbox"/> ISSUE #29	PRICE \$25.00
<input type="checkbox"/> ISSUE #51	PRICE \$5.00
<input type="checkbox"/> ISSUE #55	PRICE \$5.00
<input type="checkbox"/> ISSUE #63	PRICE \$10.00
<input type="checkbox"/> ISSUE #70	PRICE \$5.00
<input type="checkbox"/> ISSUE #104	PRICE \$5.00
<input type="checkbox"/> ISSUE #114	PRICE \$10.00
<input type="checkbox"/> ISSUE #135	PRICE \$10.00
<input type="checkbox"/> ISSUE #138	PRICE \$10.00
<input type="checkbox"/> ISSUE #141	PRICE \$10.00

DO NOT SEND CASH! Send check, or money order payable to:

HIGH TIMES BACK ISSUES
P O Box 410, Mt. Morris, IL 61054

NAME _____

ADDRESS _____

CITY _____

STATE _____

ZIP _____

THE ULTIMATE

PARTY MAGAZINE

MAMIE VAN DOREN: MY LSD SEX ORGY!

**Sleaze, Gore,
Splatter and More**

by Michael Weldon

**My Favorite
Christmas Carols**

by James Marshall

Videos of the Year

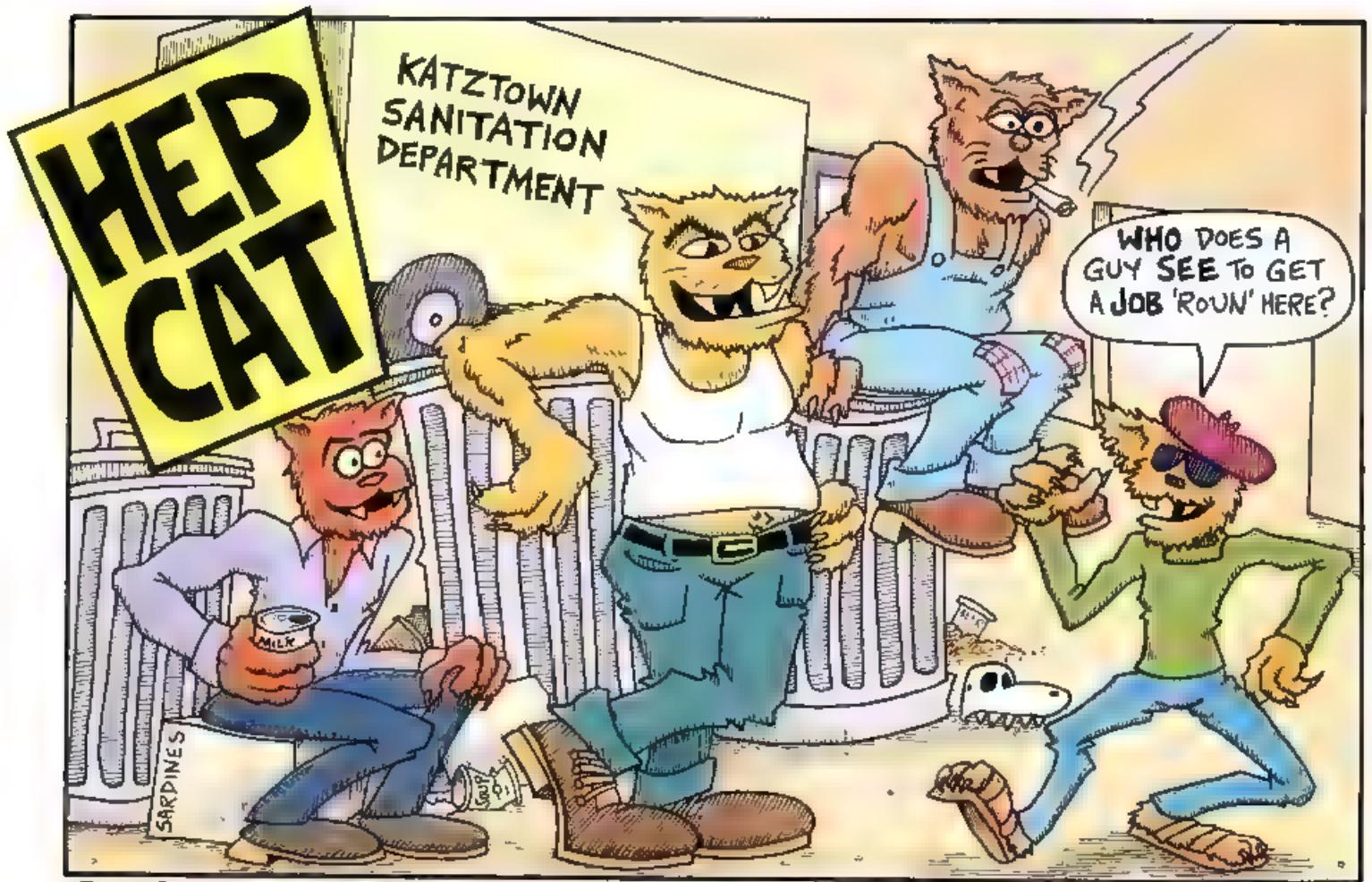
by Jim Poling

HEP CAT

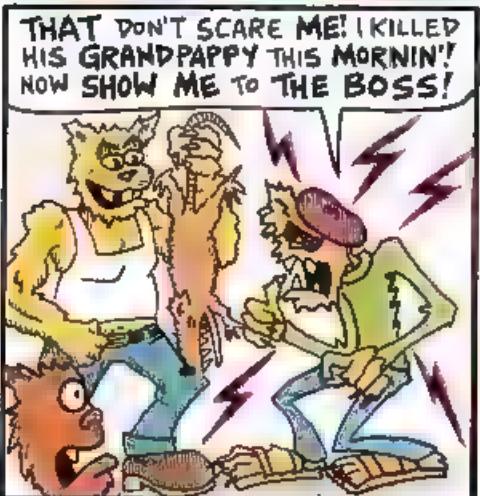
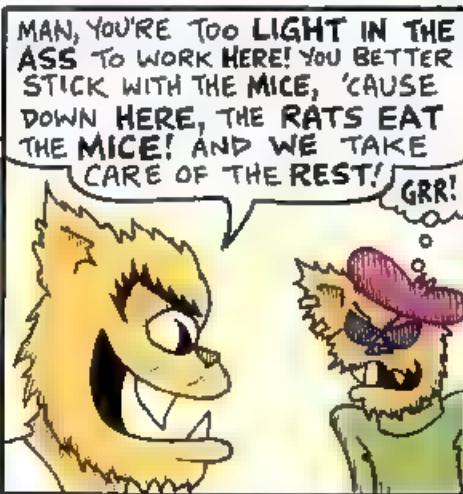
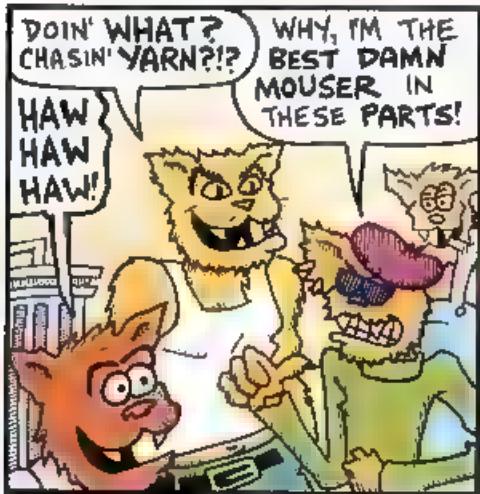
Stitcher Rail

**Just-EVER
NORMILTHON**





©1988, BY HOLMSTROM + MacSPADE - WRITTEN BY AID MacSPADE, DRAWN BY JOHN HOLMSTROM



OH, YEAH? THE LAST CLOWN
YOUR SIZE WHO CLAIMED THAT TITLE
DON'T NEED HIS LITTER BOX NO MORE!

JUST POINT ME TO THE RATS
AND I'LL DO THE REST, OK?

OKAY-GO OUT BACK + CATCH ME
THE BIGGEST RAT YOU CAN FIND!
WE'LL PAY A BUCK A POUND-THEN
WE'LL TALK ABOUT A JOB HERE!

YOU GOT IT!
I GOTTA TELL UNK
ABOUT THIS!

THIS IS LIKE STEALING MONEY!!



SO, THIS RUNT IS LOOKIN' FOR THE
BIGGEST RAT HE CAN FIND, EH?

I HOLD
EM, UNK!
I DID!



CAT, I'M GONNA KICK YOUR ASS!
THEN I'LL BUST YOUR FACE
AND BREAK YOUR LEGS! THEN
I'M REALLY GONNA HURTCHA!

HEY! MY
STASH!
MMMM



HEY- WHUT'S
ZAT??

IT'S CATNIP
UNK! HE
SMOKES
THAT STUFF!
WOTTA
LOWLIFE,
HUH, UNK?

OH, YEAH? WELL,
I JUST SAY
NO TO CATNIP!!

HEY! THAT'S
MY LAST LID!
MMMM

HAW HAW
HAW!
NOW YOU
GOT ME PISSED!!



BIFF!

HOLY CATS!

BAM!

GRIND!

STOMP!

A BUCK A POUND,
EH? I'LL WAIT HERE WHILE
YOU OPEN THE VAULT!





MOVIE STAR NEWS

MAMIE VAN DOREN'S LSD ORGY

Sex goddess Mamie Van Doren appeared in 36 movies during her long career, including *High School Confidential*, *Untamed Youth*, *Ain't Misbehavin'*, *Sex Kittens Go to College* and *The Beat Generation*. Today, Mamie's enjoying a massive comeback. Rhino Records has issued a compilation of her movie music (*The Girl Who Invented Rock 'n' Roll*), she stars in Dweezil Zappa's video "My Guitar Wants to Kill Your Mama," and the paperback edition of her book, *Playing the Field*, has just hit the shelves (written with Art Avallone, published by Berkeley, \$3.95). In it, she chronicles her rise and

fall as one of Hollywood's Blonde Bombshells. Mamie also describes her wild nights hanging out at the Whiskey à Go-Go, where she ran into a couple of Beatles getting completely drunk with Jayne Mansfield, and her LSD trip with Steve McQueen. Although the experience was a lot of fun (why not?—it was the finest Sandoz sunshine!), she tried LSD just once. She attempts to describe how it felt to have sex with Steve McQueen on acid

"I could feel the crinkle and crush of the bedspread beneath us as we lay in a tangle of arms and legs, creating our own special tempo, our own frantic rhythms.

From the haze of our lovemaking I could hear music in the house, guitars mimicking the beat of our bodies. My own voice, as I cried out, sounded as though it was someone else's. I was a marionette speaking in another language. I am your dancing Mamie doll. Dancing. I am your you me you you me me."

Uh, yeah, right. *Playing The Field* also details Mamie's early experiences with marijuana and her flings with Johnny Carson, Burt Reynolds, Joe Namath, Rock Hudson (believe it or not) and a host of others. For an inside look at the development of pop culture from the '50s to the '70s, mixed up with heaping doses of sex, Mamie's book can't be beat. ●

TWISTED IMAGE

by Ace Backwords @mt



TAPEWORM

by JIM POLING



What are the best video releases of the year? With rental rates dropping to less than the cost of a bottle of beer, it's safe to take a chance on whatever you want, and ignore such relative and definite terms as "best". Those titles of very special interest (some previously covered in these pages), I'd like to recommend again, include Sam Peckinpah's absorbing and violent road movie *Bring Me The Head of Alfredo Garcia* (with rebel Warren Oates' most ingratiatingly sleazy performance); Stanley Kubrick's *Full Metal Jacket* (the only left wing feature among the current Vietnam bunch); Josef von

Sternberg's opium-seeped melodrama, *The Shanghai Gesture* (Hollywood rarely got this subversive and decadent); Paul Morrissey's original and still wildly funny drug-culture classic, *Trash, Anguish* (Key) and *Near Dark*, two curious, sardonic, bloody, and unsung horrors; Ralph Bakshi's trenchant, animated, urban satire, *Streetfight*; John Huston's unsentimental *Fat City* (Hollywood's most accurate look at losers and loners), Samuel Fuller's brutal *Underworld U.S.A.* and Vincent Price in Michael Reeve's graphic and brilliantly unpleasant film, *The Conqueror Worm*.



Grant Williams in *The Incredible Shrinking Man*.



Gene Tierney in *The Shanghai Gesture*.

GATES OF HEAVEN

★★★★★

Directed by Errol Morris

What begins as a study of a pet cemetery from which hundreds of pets were exhumed for construction work, becomes a study of the obsessive pet owners, and then shifts again to be a movie about middle-class dreams, mortality, and American ideology. Morris has been accused of laughing at these people, but actually, derision comes from the audience, most of whom seem to feel superior to these befuddled, occasionally odd pet owners. Most remarkable is a crippled woman whose sadness over the closing of the cemetery gives way to a string of nonsequitors on cars, her son, and that "tramp" he married (RCA/Columbia).

THE INCREDIBLE SHRINKING MAN

★★★★★

Starring Grant Williams and Randy Stewart. **Directed by** Jack Arnold.

Of all the "shrinking", "colossal", "puppet people" and "amazing 50 ft." wonders of '50s SF this was the only one to consider the sexual problems of abnormal growth. Radioactive Williams seeks out a midget for companionship and, after shrinking further, is kept alive by his wife, and housed in a dollhouse. His manhood disappears completely and everything becomes threatening. The ending is an almost spiritual surprise. (MCA)

H·PICKERS HAIRSPRAY

★★★★★

Starring Divine, Ricki Lake, Deborah Harry, Pia Zadora, and Sonny Bono. Directed by John Waters. (1988)

Waters knows how to shoot a musical—this is the most entertaining one since *Viva Las Vegas* and the first in years with complete dance numbers ("The Madison" is perfectly choreographed) and no distracting cutaways. Waters didn't smooth out his sensibilities with this commercial success, but expanded them, and his innumerable talents have never been put on better display. The dancing and collection of forgotten pop songs from the '60s are incomparable. In the case of Toussaint McCall's "Nothing Takes the Place of You", Waters is actually sentimental, and with great success (RCA/Columbia)



Rival mother/daughter dance teams face off in John Waters' *Hairspray*. Left to right: Colleen Fitzpatrick, Debbie Harry, Divine, and Ricki Lake.

WRITTEN ON THE WIND

★★★★★

Starring Robert Stack, Dorothy Malone, and Rock Hudson. Directed by Douglas Sirk. (1956)

An archetype for the '50s melodrama, brash jukebox colors, nymphomania, murder, alcoholism, and passion—lots of passion, and all of it ill-spent, this is a movie about Texas oil tycoons where derricks become symbols for erections (sex-hungry Malone strokes miniature ones, loves the sound of the "pumping", and moistens her lips when the gushers come). It is a plum bit of movie immorality and a major influence on both John Waters and Rainer Werner Fassbinder. (MCA)



Jean Seberg makes out.

BONJOUR TRISTESSE

★★★★★

Starring Jean Seberg, David Niven, and Deborah Kerr. Directed by Otto Preminger. (1958)

This personal (and rather perverse) film exposes the lives of the rich and shallow on the French Riviera. Seberg, with her affection for Daddy Niven, is prime for the analyst's couch; her free time is spent tanning and trying to break up an affair between her father and Kerr. It might read like a soap opera, but Preminger's approach is unique. There isn't a moment in the movie—and that includes the tragedy that ensues from these self-destructive relationships—that is emotional or moving. It's a very cold movie, and not until it's over do you feel the chill (RCA/Columbia)



Cathy Moriarty

WHITE OF THE EYE

★★★★★

Starring David Keith and Cathy Moriarty. Directed by Donald Cammell. (1988)

Cammell, who directed Mick Jagger in *Performance*, delivers what is unquestionably the most unique thriller in decades, serial killings, domestic drama, and a disembodied head stuffed under the bathroom sink. The situations are so bizarre that



on the surface you don't realize how naturally it's being played yet with its morbidly apt humor, the film features some of the driest sarcasm ever uttered in the face of mortal disaster (Paramount)

A WALK ON THE WILD SIDE

★★★★★

Starring Jane Fonda, Barbara Stanwyck, and Laurence Harvey. Directed by Edward Dmytryk. (1962)

Roundly hated in 1962 (the better reviews called it "lurid") *A Walk On The Wild Side* has raked up something of a reputation. Fonda, in her pre-awareness stage, is the slutty prostitute, Kitty Twist, who can't stop pressing her breasts against the rest of the cast, including Stanwyck, the lesbian madame. Compulsively watchable and dirty, this New Orleans-based hothouse movie was based on the novel by Nelson Algren (RCA/Columbia) ●



Joe Dallesandro in *Trash*.

PSYCHOTRONIC

by MICHAEL J. WELDON



From the mail I've received, it looks like a lot of you HIGH TIMES readers are now warping your brains even more by subscribing to movie/video fanzines and newsletters. If you're spending time trying to find the tapes you read about in Ecco, Gorefest or SlimeTime, chances are you're hooked. There's no turning back now. You might as well choose another title from this column, send in your few bucks and degenerate even more. Prepare yourself for the 1990's!

The Shock Review—I like this one because the newest issue (#5) has reviews of 14 trashy videotapes and finds space to tell me some facts I didn't know in articles. There's part two of a well researched video history of Spanish horror/sex/exploitation king Jesse (Jesus) Franco, the guy who was responsible for *Succubus*, *The Awful Dr. Orloff* and nearly 150(!) other European co-productions. Editor Tom Stockman also discusses the glut of buddy cop movies released in '87, and along with the more predictable horror movies, reviews two features about Charles Bukowski. Original artwork is featured. I prefer rare odd art in my fanzines, but you can't have everything. \$4.00 will get you six bi-monthly issues. Write to Stockman at 1435 Sproule, St. Louis, MO 63139 (By the way, contributing writer Tim Moyer used to publish *Fear Of Darkness*, an early '80s 'zine from Columbus, Ohio, that I neglected to mention in the first installment of this series of columns.)

Some fanzines show the youthful enthusiasm of the writers, telling as many people as possible about the cool videos they've seen. Others show a mature,

knowledgeable approach to even the most disgusting movies. A few are more concerned with real life depravity and mass murderers. *A Taste Of Blood* is the sickest fanzine I've seen so far. Besides a few (pretty good) video reviews, *Taste* #5 has articles about the Accused ("Gods of Splatterrock"), a page of pictures of mass murderer Ted Bundy, and two articles about



other notorious human monsters. Mass killers and their exploits can be fascinating (and provide material for network TV movies), but I doubt if you'd want any females that you care about to see you reading this 'zine. Editor Keith Brewer doesn't accept subscriptions, but issue #4 is \$2.50, and \$3.00 will bring you #5 which will contain "tons of fucking dehumanization." PO Box 7150, Waco, TX 76714-5150.

The next three titles are actually magazines, with heavy stock covers and high quality paper.

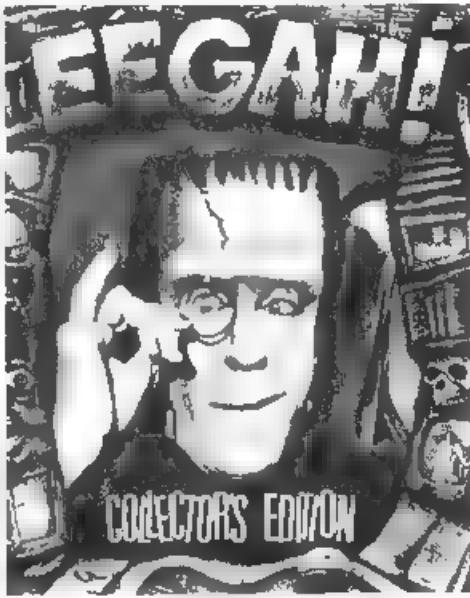
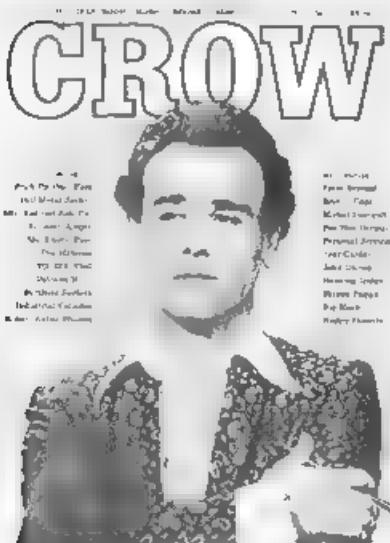
Crimson Celluloid used to be a newsletter. Now it's a 28-page magazine. It still comes all the way from the home of *The Road Warrior*, but I think they'll send you a copy for about five bucks. Articles are pretty typical (Clive Barker, *Evil Dead II*) but the reviews include interesting new info on videos from Australia and Southeast Asia. If you're a collector, *Crimson* is also a good source for posters, other magazines, books and stills (a catalog is \$1.00). Find out what people on the other side of the world think. Write to David Nolte, PO Box 551, Darlinghurst, NSW 2010, Australia.

I had planned to review a great mag called *Magick Theatre*, but unfortunately its editor, Raymond Young, has stopped publication for some reason and started a new 44-page effort called *EEGAH!* (the name of a '60s movie about a lovesick giant

caveman) *EEGAH!* is fun, with articles about a guy who collects Munster memorabilia, and Playboy Centerfolds who were in movies—but it's just nowhere near as worthwhile as *Magick Theatre* was. *EEGAH!* #1 is \$3.00, but better yet, order *Magick Theatre* #8 (the last issue) for \$5.95, and read one of a kind articles on actor/director Bruno VeSota and the incredible 1953 movie *Daughter Of Horror* PO Box 523, Lynbrook, NY, 11563.

Crow (#25) is more like a book than a magazine. Its 134 unique pages cover everything—from music (Mekons, Butthole Surfers etc.), to all kinds of books, videos and TV shows, and features extensive directories telling you where to order hundreds of other publications from. Editor Bill-Dale Marcinko started a magazine called *Afta* way back in the seventies and finally (with *Crow*) has been receiving some attention (and even newsstand sales). Articles or reviews about *Brain Damage*, *The Fly*, and *From Beyond* are mixed with topics absent in other zines I've mentioned (like AIDS, the real life horror that has been the "inspiration" of many recent horror movies). If all the opinions and info in one issue aren't enough, there's 14 more pages available on request that the printer refused to print! The extra section contains mostly reviews of porno (straight and gay) movies. For some challenging thoughts and a lot of reading, send \$4.00 per issue to *Afta Press*, PO Box A, Wharton, NJ 07885. A subscription is \$19.95 for six issues.

If you publish a fanzine or newsletter that reviews movies or videos (no all-music 'zines) send a copy to me at HIGH TIMES and it'll appear in a future issue. Some other publications that I have first (and only?) issues of are *Vidiot*, *Grindhouse*, *Zontar* (from Denver, not Boston), and *Hollywood Book And Poster News*. I'll review them if I find out they're still happening. Meanwhile, keep the American postal system busy delivering more subversive material of questionable taste. ●



HOUND'S EYE

by JAMES MARSHALL



Edd "Kookie" Byrnes.

WRECK THE HALLS... I guess everybody loves Christmas records. I love Christmas records, and I hate Christmas. Not many rock 'n' rollers make Christmas records anymore, I don't know why, we live in a world where great things once abundant are now scarce. The most recent Xmas disc I bought and liked was Spinal Tap's "Christmas with the Devil." Used to be everyone made Xmas discs—Elvis, Chuck Berry, Jerry Lee Lewis (one of his few non-LP sides, "I Can't Have A Merry Christmas Without You"), etc. If you want to have some fine and dandy vintage Yuletide sounds it's probably easier now than ever because a slew of Christmas re-issue discs has hit the market over the last few years filling us with noise both familiar and obscure, my own recommendation is to make your own custom Xmas tape to annoy the family at dinner/gift openings/egg nog guzzling or the ever popular hide-the-joint-from-Mom backyard take-down.

For a label owned by two Jews, Rhino Records certainly has plenty of Christmas spirit. They put out *Rockin' Christmas*. The '50s (featuring such amazing artifacts as the Youngsters' "Christmas In Jail" and the Hepsters' "Rockin' and Rollin' With Santa

"Claus" and *Rockin' Christmas*: the '60s, with my all-time top raunchy Xmas favorite, the Sonics' "Don't Believe in Christmas". These two LPs came out two years ago, followed up last season by the equally excellent *Cool Yule*. This year comes a whopping four volumes—*Cool Yule vol 2* (w/more Sonics'), this time "Santa Claus"), *Hillbilly Holiday*, a great selection of honky-tonky Xmas classics, including my old pal, Buck Owens, and a straight re-issue of the 1963 *Phillies A Christmas Gift for You* a/k/a *The Phil Spector Christmas Album* in which the once great wall of sound genius (Phil Spector that is) applies his top acts to the yuletide theme with predictably stunning results—the Ronettes, the Crystals, Bobby Soxx and the Blue Jeans, and especially Darlene Love (whose "Please Come Home For Christmas" is a supercharged Wagnerian bombast of emotional overload and one of the five best-ever Spector-productions).

The legendary R&B/jazz/gospel label Savoy of Newark, NJ has a great



Elvis Presley.

Xmas package on the market—Mr. Santa's Boogie featuring a good cross section of R&B (Big Maybelle bellowing out "Silent Night" for example), jazz (how 'bout Charlie Parker riffing five minutes worth of "White Christmas"), rockabilly and doo-wop sounds. The much sought-after Stax Xmas LP—*Soul Christmas* is long out of print in America, but Canadian Atco has it, and a good record import place should stock it. All the Stax greats are represented: King Curtis, Otis Redding, Booker T & the MG's, but Clarence Carter takes the reindeer turd with his astounding "Back Door Santa" ("I ain't like old St Nick, he only come but once a year, heh, heh, heh . . .") and you shouldn't oughta miss this one. *Rhythm & Blues Christmas* (United Artists) is a bargain bin staple at Xmas time in K-Marts coast to coast and it's a good 'un with classics by Chuck Berry, Amos Milburn, Clyde McPhatter & the Drifters, Marvin & Johnny and more, and it won't cost you much either. On the same note *Merry Christmas Baby* (King/Gusto) rounds up 16 R&B yuletime hits, emphasis on the sublime with Johnny Moore's 3 Blazers, the Dominoes, Charles Brown, Bull Moose Jackson and Freddie King as standouts MCA has raided the vaults from various labels it now owns (and often maligned . . .) but their rockin' Xmas disc has some goodies, especially inane and worth hearing is the Eternals' "Christmas In the Jungle", a big holiday request item on my radio show.

If you're someone with some archaeologist in you, then you might want to look for these to round out your rock 'n' roll Xmas tonalization: Huey "Piano" Smith & the Clowns—*Twas the Night Before Christmas* (Ace), a fantastic rollicking R&B Xmas stomp, New Orleans-style; Bob Seger & the Last Heard—"Sock It To Me Santa" (his best Mitch Ryder imitation, you wouldn't even know it was old jowl-face and not Mr. Devil w/the Blue Dress if I didn't just tell ya); Hank Ballard & the Midnights' "Santa's Coming" (King), Clyde Lasley—"Santa Got Drunk"; Edd "Kookie" Byrnes—"Yulesville" (heptalk reciting of the "Night before Xmas" that'll leave you lingo lovers speechless); Sonny Boy Williamson—"Santa Claus"; The Beach Boys *Christmas Album* and of course Elvis' immortal "Santa's Back In Town" ("ain't got no slaving reindeer/no sack on my back/you gonna see me comin'/turn out the light/Santa's comin' down your chimney to—night!"), so Merry goddamn Christmas, it only comes once a year. ●

HEY! EVERYONE WHO GAVE MONEY TO THE FIRST-EVER NORMLTHON! THANKS! HOPEFULLY, THIS LIST WILL HELP KICK OFF A NEW ERA, AND POT-SMOKERS + NORML CAN BECOME A REAL POLITICAL FORCE IN THIS COUNTRY! LET'S NOT STOP NOW! KEEP SENDING MONEY TO NORML!

THE 1988 NORMLTHON

GRAND TOTAL: \$2007.25

HEY! EVERYONE WHO DIDN'T GIVE MONEY! ED ROSENTHAL IS RIGHT! (SEE ASKED, P57) GIVE AN OUNCE TO NORML. GIVING MONEY TO NORML IS THE BEST WAY TO GET MARIJUANA LEGALIZED! YOU CAN GIVE ANONYMOUSLY THROUGH THE NORMLTHON (BE CAREFUL SENDING CASH!)

1. NAM MY-HO RENGE KYO \$5000

2. .. \$200.00

3. THE GUYS FROM \$1,500

3. SPEC WAR-USN \$83.66

4. ASKED \$78.33

5. NORML \$76.00

6. HEP CAT \$69.69

7. POWEROUT \$69.69

NOTHING ACCESSORY LEARNER

NORMA-LEE JIMI HENDRIX, BUT \$69.00

8. THIS VOTE IS TO INCREASE THE PRICE OF HIGH TIMES \$4 THAT WILL GO TO NORML \$1

9. SEX \$51.00

10. GRATEFUL DEAD \$46.67

11. WIFE SPANKING \$10.00

12. FREE POT \$35.00

13. The Radiators \$35.00

14. DREDDY DUCK \$30.00

15. PEOPLE WHO SMOKE POT \$25.00

15. AND DON'T SUPPORT NORML \$25.00

RESERVE TO GO TO JAIL!

16. DEAD HEADS \$25.00

17. LIFE IN MY OWN BIOSPHERE \$25.00

18. IDYWILD, CALIF 92349 \$20.00

19. DEBBIE HARRY \$20.00

19. THE FAIREST CREATURE EVER TO GRACE GOD'S GREEN EARTH!

20. Floor Kiss \$20.00

21. GOD FOR SO MUCH, \$20.00

BUT MOSTLY FOR GIVING US REEFER \$1

22. Headbanger's Ball \$20.00

23. .. \$20.00

24. GETTING HIGH ON GOOD GRASS \$20.00

AND SPANKING MY WIFE'S BARE BOTTOM BEFORE SEX (WITH HER) \$1

25. -FROM A CONCERNED QUEEN'S \$20.00

UNIVERSITY STUDENT -KINGSTON, ONT \$1

26. DOBIE BUDS \$20.00

27. LEGAL \$19.25

28. MARIJUANA \$15.00

29. ISAAC ASIMOV \$10.95

30. STASHBURGER HELPER \$10.00

31. MULTI COLOR \$10.00

32. MINNESOTA GRASSROOTS PARTY \$10.00

33. CRAZY NED'S \$10.00

34. BIG BUD CLONE \$10.00

35. 35. VANCOUVER WEED \$10.00

36. HARVEST TIME! \$10.00

37. NORTHERN MICHIGAN \$8.33

38. SEX ON ACID \$10.00

39. PEACE AND FREEDOM \$8.33

(NOT THE POLITICAL PARTY) \$1

40. *T PUPPET* \$6.67

41. BBB \$6.67

42. MARIJUANA \$6.67

DECRIIMINALIZATION \$1

43. GROWIN' HIGH TIMES! \$6.67

QUALITY MARIJUANA \$1

44. SMOKING MY OWN \$6.67

PRIMO STICKY BUDS \$1

45. MOTORCYCLING \$5.00

46. LIVING OFF THE FOLKS \$5.00

47. *FUCK IT, IT'LL BURN* \$5.00

48. LED ZEPPELIN \$5.00

49. NEW LEVELS \$5.00

OF CONSCIOUSNESS \$1

50. PIZZA \$5.00

51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75.

\$20 BILLION FIGHTING DRUGS \$5.00 (OUR TAX DOLLARS AT WORK) \$1

LET'S TRY TOTAL TOLERANCE \$1

TOKHAUNTUS \$5.00 MYSTIC INDIAN @ PIPE \$1

DEAN + TAMMY \$4.00 5 YEARS \$1

PI \$1

THE GRAY \$3.34

SR.G. GRAPHICS SONGS \$3.34

W/PIGGYBACKS \$1

PLAYING JOHNNY \$3.34 GANJA-SEED-DON'T THROW \$1

EM AWAY PLANT EM! \$1

MY PHOTO \$1

MAR R \$1

FOR PREZ \$1

WE SMOKE POT \$1

AND LIKE IT A LOT \$1

SHIT HAPPENS \$2.00

64. .. \$1

65. \$1

66. USING SOMEONE ELSE'S \$1

PISS ON AN ARMY PISS TEST, + GETTING STONED OUT OF MY \$1

67. GOURD EVERY DAY! \$1

HIGH TIMES \$1

ROBERT PLANT IN CONCERT \$1

READING HIGH TIM. \$1

71. WELL DR BOOT POT \$1

72. SEX WITH LITTLE \$1

FOR BIG! WIMMEN \$1

OREGON MARIJUANA \$1

NIATIVE \$1

GRASSNOUST \$1

OPENNESS ABOUT MARIJUANA \$1

LOVE \$1

(INTERESTING CONCEPT) \$1

76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

POT DWARD \$1.67 ROSENTHAL \$1.67 SHROOMS \$1.67 BONG HITS \$1.67

PI \$1.67

ENTRIES THAT RECEIVED LESS THAN ONE BUCK:

SUPER DAVE (THAT'S ME)

THE COMMANDER AND HIS LOST PLANET AIRMEN

THE SIXTIES

NIKOLA TESLA

DR. JOHN C LILLY

BLACK SABBATH

EATIN' AT THE "Y"

THE RED CROSS

COLD BEER + HOT PUSSY

SPARE CHANGE

OWING DOPE

"I MAY BE STONED, BUT I'M NOT STUPID!"

L'R. INDOORS

THE ORIGINAL

WAILERS (BOB, PETER, BUNNY)

JOHN COLTRANE

CHERRY GARCIA

AT THE "Y"

TABUNGA - THE CHINESE WATER DRAGON

(WORLD'S ONLY HERB SMOKING LIZARD)

CAUGHT IN THE MOSH

SINGING ALONG WITH BOB COWSILL AT PICKWICK'S PUB

MELENCAMP

COKE IS A JOKE!

NOT LYING ON IOWA STREET IN SALT LAKE CITY

BEER + FOOTBALL

LAURIE ANDERSON

J... LIVE

TH.C (TIME HAS COME)

CHICAGO HARD ROCK BAND

NASTY BITCH

CYCLE SUITS

GIVE AN OUNCE!



EXCITING NEWS! EVERYONE WHO CONTRIBUTES \$20 OR MORE TO THE 1989 NORMLTHON WILL RECEIVE A SPECIAL EDITION COMIC BOOK!

MAKE CHECK OR MONEY ORDER OUT TO NORML!

MY CHOICE FOR THE MONTHLY TOP 100 LIST IS:

#1

MY CHOICE FOR THE 1989 NORMLTHON IS:

#1

I'VE ENCLOSED \$_____ FOR NORML

CHECK HERE IF YOU'D LIKE TO BECOME A NORML MEMBER

UNTIL WE CAN RAISE A MILLION DOLLARS A YEAR FOR NORML, TOP 100 VOTERS WILL GET ONE CHOICE FOR THE MONTHLY TOP 100 LIST! SEND VOTES, CHECKS, + THOUGHTS TO:

THE HIGH TIMES TOP 100
211 EAST 43RD STREET
NEW YORK, NY 10017

TOP 100 DRAWN BY JOHN HOLMSTROM

DANSCO

INDOOR
GARDEN
CENTERS

One stop shopping

■ LIGHTING SYSTEMS

(all systems are completely wired with quiet, ventilated ballast enclosure and quick-disconnect lamp lead)
2 year ballast warranty and 1 year lamp warranty

| | |
|---|----------|
| 1000W Metal Halide | 189.00 |
| (Superbulb) | |
| 400W Metal Halide | 139.00 |
| (Superbulb) | |
| Metal Halide Phosphor
Coated Bulbs | add 5.00 |
| 175W Metal Halide | 110.00 |
| 1000W High Pressure Sodium | 259.00 |
| 400W High Pressure Sodium | 189.00 |
| 150W High Pressure Sodium | 110.00 |
| Horizontal or Parabolic Reflectors for
1000W Systems add \$10.00 &
for 400W Systems add \$20.00 | |

■ BULBS

1 year lamp warranty

METAL HALIDE:

| | |
|---|----------|
| MS1000, 125,000 lumens | 59.00 |
| MS1000 Hor. 125,000 lumens,
horizontal | 69.00 |
| MS400, 40,000 lumens | 44.00 |
| MS400 Hor. 40,000 lumens,
horizontal | 54.00 |
| Metal Halide Phosphor
Coated Bulbs | add 5.00 |
| M175, 15,000 lumens | 29.00 |

HIGH PRESSURE SODIUM:

| | |
|------------------------|-------|
| LU1000, 140,000 lumens | 69.00 |
| LU400, 50,000 lumens | 45.00 |
| LU150, 16,000 lumens | 32.00 |

HIGH PRESSURE SODIUM CONVERSION:

| | |
|----------------------|--------|
| 940W, 140,000 lumens | 139.00 |
| 360W, 50,000 lumens | 69.00 |

FLUORESCENT TUBES:

| | |
|----------------------------|-------|
| 24" Gro Lux | 7.95 |
| 24" Vita Lite | 12.50 |
| 48" Gro Lux | 9.95 |
| 48" Vita Lite, Power Twist | 13.95 |

■ EBB-FLOW SYSTEM \$39.00/Module*



Includes: 44" x 24" Tray & Irrigation System
*Benching, Pump, Timer & Reservoir purchased separately



PROFESSIONAL PROPAGATION SYSTEM
\$169.00

Includes: 1 - 44" x 24" x 11" Propagation Dome, 2 Pro Heat Mats, Thermostat w/ Remote Probe & 1qt Cloning Solution

■ REFLECTORS

(Polar white finish on all. sockets included)

| | |
|----------------|--------|
| 22" Round | 24.95 |
| 44" Conical | 39.95 |
| 48" Parabolic | 54.95 |
| 84" Parabolic | 169.95 |
| Horizontal HPS | 49.95 |
| Horizontal MH | 54.95 |

■ LIGHT MOVERS

| | |
|----------------|--------|
| 4" Light Track | 99.00 |
| 6" Light Track | 99.00 |
| 12" Sun Circle | 139.00 |
| 2LS Sun Circle | 199.00 |
| 3LS Sun Circle | 259.00 |

■ HYDROPOONICS

HYDRO-FLO I..... 265.00
Incl: 6 trays, 36 one gallon pots, reservoir, pump, timer, filter, irrigation, rockwool, nutrients & pH Control

Expansion Module 16.00

HYDRO CELL II 250.00
Incl: 12 two gallon cells, reservoir, pump, timer, filter, irrigation, rockwool, nutrients & pH Control

Expansion Cell 6.00

■ TEST EQUIPMENT

| | |
|-------------------------------------|--------|
| Digital pH Pen | 59.95 |
| Digital Dissolved Salts Pen | 59.95 |
| Combination pH & | |
| Dissolved Salts Meter | 399.00 |
| Professional Digital Light
Meter | 175.00 |
| CO ₂ Tester | 8.95 |
| CO ₂ Analyzer Tubes | 4.50 |
| MIN-MAX Thermometer | 12.95 |
| Temperature Humidity Gauge | 12.95 |
| 30x Light Scope | 26.95 |
| 100x Light Scope | 49.95 |

 With 10 years in business we have the experience to anticipate our customers' needs. Most orders shipped within 24 hours.

VISA, MC, Amex, COD orders welcome.

■ CO₂ SYSTEMS

| | |
|--|--------|
| Injection System, w/o tank | 179.00 |
| Injection System w/ exhaust control,
w/o tank | 279.00 |
| CO ₂ Regulator/Flow Meter | 79.95 |
| DANSCO Propane Burner/
CO ₂ Generator | 269.00 |
| Johnson Propane Burner/
CO ₂ Generator | 499.00 |

■ ODOR CONTROL

| | |
|---|--------|
| Zestron 700 Ionizer | 79.95 |
| Zestron 1000 Ionizer | 79.95 |
| Zestron Collector Ionizer | 110.00 |
| Zestron 3600 Ionizer | 320.00 |
| DANSCO Charcoal Air Filter | 79.95 |
| Ozone Generator for total
odor removal | 839.00 |

■ TIMERS

| | |
|--|-------|
| 15A 120V, 24hr, Heavy Duty | 19.95 |
| 15A 240V, 24hr, Heavy Duty | 24.95 |
| 40A 120V, 24hr, Industrial | 33.95 |
| 40A 240V, 24hr, Industrial | 38.95 |
| 40A 120V, 1-60 minute cycle | 67.95 |
| 15A 120V, 4 ON - 4 OFF,
1 minute min. | 26.95 |

■ FANS & BLOWERS

| | |
|---------------------------|--------|
| 100 CFM Axial Fan | 25.95 |
| 240 CFM Axial Fan | 57.95 |
| 560 CFM Axial Fan | 68.95 |
| 60 CFM, Squirrel Cage | 33.95 |
| 100 CFM, Squirrel Cage | 38.95 |
| 140 CFM, Squirrel Cage | 40.95 |
| 265 CFM, Squirrel Cage | 49.95 |
| 465 CFM, Squirrel Cage | 61.95 |
| 745 CFM, Squirrel Cage | 128.95 |
| 980 CFM, Squirrel Cage | 122.95 |
| 1450 CFM, Squirrel Cage | 151.95 |
| 300 CFM, Duct Fan | 44.95 |
| 425 CFM, Duct Fan | 47.95 |
| 660 CFM, Duct Fan | 51.95 |
| 9" Oscillating Table Fan | 24.95 |
| 12" Oscillating Table Fan | 33.95 |
| 16" Oscillating Table Fan | 48.95 |
| 9" Wall Mount Fan | 48.95 |
| 12" Wall Mount Fan | 52.95 |
| 16" Wall Mount Fan | 59.95 |

■ THERMOSTATS & HUMIDISTATS

| | |
|--|--------|
| Thermostat, heating or
cooling | 19.95 |
| Thermostat, heating or cooling w/
remote probe | 34.95 |
| Humidistat 40 - 90% | 47.95 |
| Combo Thermostat-Humidistat Fan
Controller completely wired with
2 outlets | 109.95 |

■ SUBMERSIBLE PUMPS

| | |
|--------------------------|-------|
| 120 GPH | 36.95 |
| 140 GPH | 38.95 |
| 170 GPH | 39.95 |
| 205 GPH w/ float control | 59.95 |
| 240 GPH | 47.95 |
| 1250 GPH | 67.95 |

| ■ PROPAGATION AIDS | |
|-------------------------------------|-------|
| 24" x 44" x 11" Propagation
Dome | 49.95 |
| 48" x 11" Pro-Heat Tape | 21.95 |
| Thermostat w/ remote
probe ± 1° | 69.95 |
| Woods Rooting Compound | 7.95 |
| Rootone F, 2oz | 4.49 |
| Olivia's Cloning Solution, 1 qt | 11.95 |
| Olivia's Cloning Solution, 1 gal | 39.95 |

■ ROCKWOOL

| | |
|----------------------|-------|
| 1½ x 1½ Multi-Blocks | .07 |
| 2 x 2 Multi-Blocks | 10 |
| 3 x 3 Cube | 34 |
| 4 x 4 Cube | 48 |
| 6" x 3" Slab | 4.75 |
| 8" x 3" Slab | 6.25 |
| 12" x 3" Slab | 9.50 |
| 45lb Repellent Bale | 28.50 |
| 35lb Absorbant Bale | 22.00 |
| 55lb Absorbant Bale | 49.00 |

Full case discount of 10% on Rockwool products

■ REFLECTANTS

| | |
|---------------------------|-------|
| 4' x 25' Mylar | 17.95 |
| 4' x 50' Mylar | 27.95 |
| 4' x 100' Mylar | 44.95 |
| 20' x 100' White Visqueen | 59.95 |



SLAB SYSTEM \$59.00/Module*

Includes 3 - 3' x 8" Rockwool Slabs, Drip Irrigation System & Tray *Benching, Pump, Timer & Reservoir purchased separately

■ BOOKS

| | |
|----------------------------|-------|
| Gardening Indoors | 16.95 |
| Beginning Hydroponics | 7.95 |
| Hydroponic Food Production | 29.95 |
| Rockwool In Horticulture | 34.95 |

We also carry General Hydroponics, Suncoir, WonderGrow and Eco nutrients and pH Control along with many other products. Complete price list available.

DANSCO HALIDE

315 North 105th
Seattle, WA 98133
(206) 784-9492
(800) 345-3398

◀

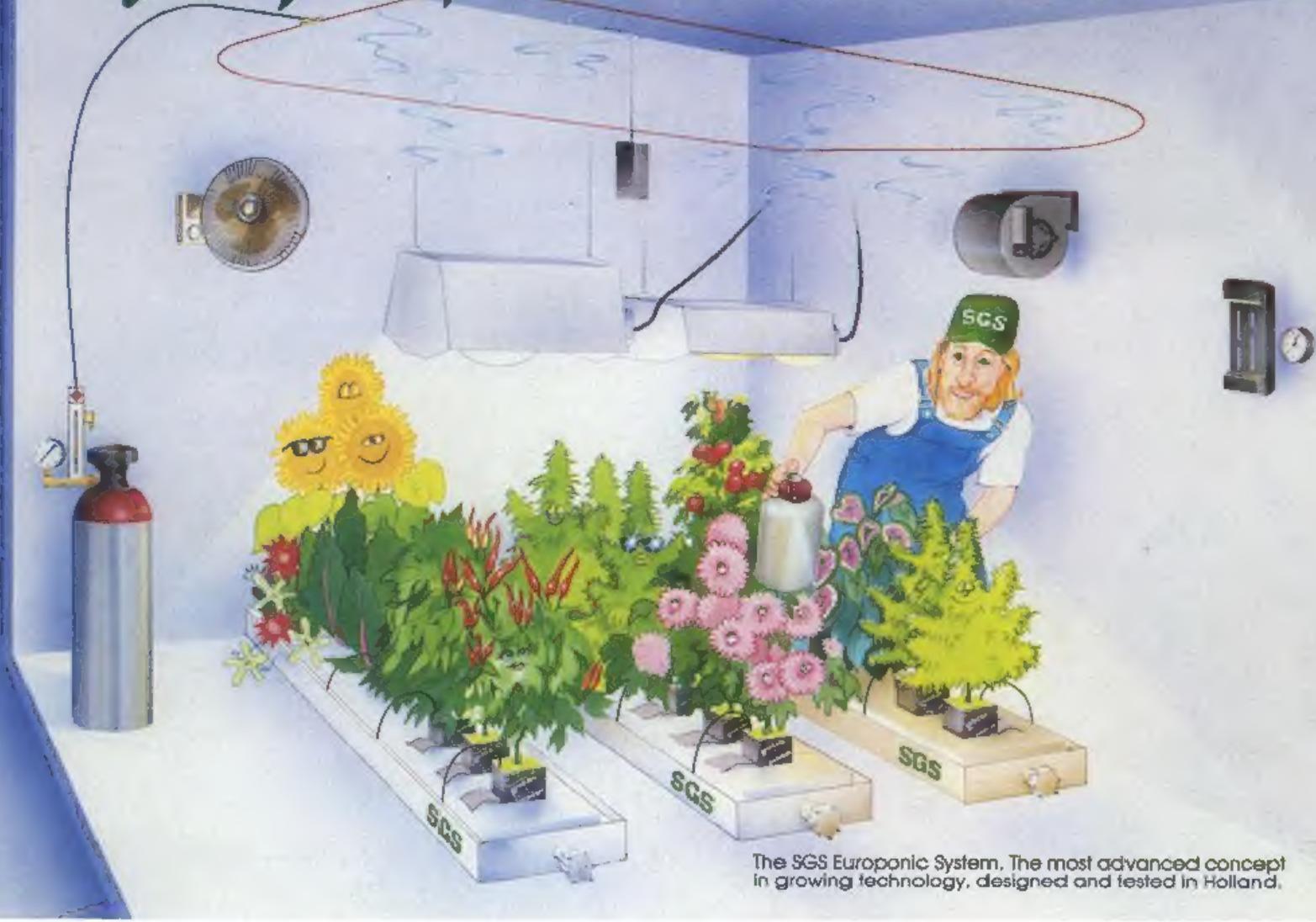
DANSCO INDOOR GARDEN CENTER

844 University Avenue
Berkeley, CA 94710
(415) 549-2918
► (800) 523-1367

ORDERS ONLY

Dealer Inquiries: DANSCO DISTRIBUTORS 4442-27th W. Seattle, WA 98199 (206) 282-7282

GIVE YOUR PLANTS A "DUTCH TREAT"!



The SGS Europonic System. The most advanced concept in growing technology, designed and tested in Holland.

WE ARE DEDICATED TO THE INDOOR GARDENER. SGS IS YOUR CONNECTION WITH STATE OF THE ART DUTCH GROWING TECHNOLOGY.

• 400 W AND 1000 W METAL HALIDE AND HIGH PRESSURE SODIUM LAMPS • VERTICAL AND HORIZONTAL REFLECTORS • SGS EUROPNIC ROCKWOOL SYSTEM • THE GASSER CO₂ SYSTEM • ALUMINUM CO₂ CYLINDERS • SOLAR SHUTTLE AND WHIRLIGIG LIGHT MOVERS • ZESTRON NEGATIVE ION GENERATORS • KLONE KITS • GRODAN ROCKWOOL CUBES, BLOCKS AND SLABS • A COMPLETE LINE OF HYDROPONIC SUPPLIES INCLUDING FERTILIZERS, PH ADJUSTMENT CHEMICALS, PH TEST KITS, MICRO & MACRO NUTRIENT TEST KITS • RESERVOIR HEATERS • BAT GUANO • WORM CASTINGS • MAXICROP SEAWEED CONCENTRATE • SOILLESS GROWING MEDIUMS • WHITE PLASTIC AND REFLECTIVE MYLAR SHEETING • PURGE ODOR NEUTRALIZER • OSCILLATING AND EXHAUST FANS • TIMERS • AND MUCH, MUCH MORE.

CALL OR WRITE TODAY FOR A FREE COPY OF OUR NEWEST CATALOG. YOU WILL FIND OUR SERVICE PROMPT AND OUR PRICES LOW! WE OFFER THE BEST GUARANTEE IN THE BUSINESS. MORE THAN JUST A NAME, WE ARE SUPERIOR GROWERS.



SUPERIOR GROWERS SUPPLY, INC.

4870 DAWN AVE.
EAST LANSING, MI 48823

IN MICH. (517) 332-2663
C.O.D.'S WELCOME

TOLL FREE (800) 227-0027
MOST ORDERS FILLED IN 48 HOURS



High Times

DECEMBER 1988



Reprinted from the High Times Archive

<https://archive.hightimes.com/issue/19881201/print>



©2023 - HIGH TIMES ARCHIVE. ALL RIGHTS RESERVED.